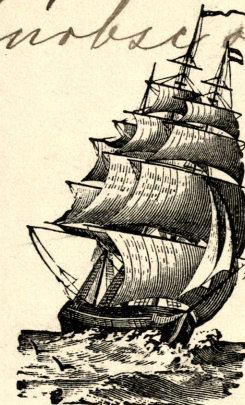




LOG BOOK.

Book # 7.
Philadelphia to San Francisco
Put back to Montevideo. Then after
resuming voyage. Put back to Rio.
"American Sp." Kenilworth.

COMMANDED BY
J. A. Ginsbury of Rockport, Maine.
Log kept by A. S. Howell, Mate.
"Lat. Love," Northport, Maine. Near Belfast
West side of Penobscot Bay.



JOHN E. HAND.

BARTRAM A. HAND.

JOHN L. HAND.

JOHN E. HAND & SONS,

Nautical Instruments, Compass Adjusters,

Office and Warehouse,

222 WALNUT STREET,

Factory: Atco, N. J.

PHILADELPHIA, PA.

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS	day of
						Air	Water			
1										1
2										2
3										3
4										4
5										5
6										6
7										7
8										8
9										9
10										10
11										11
12										12
1										1
2										2
3										3
4										4
5										5
6										6
7										7
8										8
9										9
10										10
11										11
12										12

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
--------	----------	---------------	-----------	---------------	-------------	-----------	---------------	---------	-------------

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS	day of
						Air	Water			
1										1
2										2
3										3
4										4
5										5
6										6
7										7
8										8
9										9
10										10
11										11
12										12
1										1
2										2
3										3
4										4
5										5
6										6
7										7
8										8
9										9
10										10
11										11
12										12

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
--------	----------	---------------	-----------	---------------	-------------	-----------	---------------	---------	-------------

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS	day of
						Air	Water			
1										1
2										2
3										3
4										4
5										5
6										6
7										7
8										8
9										9
10										10
11										11
12										12
1										1
2										2
3										3
4										4
5										5
6										6
7										7
8										8
9										9
10										10
11										11
12										12

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
--------	----------	---------------	-----------	---------------	-------------	-----------	---------------	---------	-------------

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS	day of
						Air	Water			
1										1
2										2
3										3
4										4
5										5
6										6
7										7
8										8
9										9
10										10
11										11
12										12
1										1
2										2
3										3
4										4
5										5
6										6
7										7
8										8
9										9
10										10
11										11
12										12

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
--------	----------	---------------	-----------	---------------	-------------	-----------	---------------	---------	-------------

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	4		NE	E.S.E.				30.30	Sat 18 day of Aug 1906.
2	4								Mod breeze & Sea
3	4								going down.
4	4								4 PM. Clear of fire
5	4								8. " " "
6	4								8. 12 " " "
7	4								12 to 4 Very Mod
8	4								4 " 8 Calm.
9	4								8. 12 " "
10	4								Put one man from
11	4								Forecastle in Galley
12	4								to show Cooks how
13	4								to make Bread. They
1	4								are two Importers.
2	4								
3	4								
4	4								
5	4								
6	4								
7	4								
8	4								
9	4								
10	4								
11	4								
12	4								
13	4								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					38.00				71.05

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	1		N.E.	E. S. E.				30.40	Sun 19 day of Aug 1906.
2	1								12 to 4 Calm
3	1								Very smooth sea.
4	1								4 to 8 " "
5	1								8. 12 " "
6	1								Saw number of Stuns
7	1								& Schooners.
8	1								12 to 4 Light air S.
9	1								4 " 8 " "
10	1								8. 12 Slightly more
11	1								wind.
12	1								Crew all well.
1	2								Cooks are unable to
2	2								cook any thing decent.
3	2								Pump lights & sent to.
4	3								
5	3								
6	3								
7	3								
8	4								
9	4								
10	4								
11	4								
12	4								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					38.30				

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	1		E.	S.				30.30	Mon 20 day of Aug 1906.
2	1								12 to 4 Slightly more
3	1								breeze. Rain clouds.
4	1								4 to 8 " "
5	1								8 to 12 Fine clear.
6	1								Saw two Stuns going E.
7	1								12 to 4 AM. Fine Mod.
8	1								4 to 8 " "
9	1								8. 12 Freshening.
10	1								Crew all well.
11	1								Cooks just the same
12	1								Sailors helping them.
13	1								Pump lights Lookout
1	1								30.30 Properly sent to.
2	1								
3	1								
4	1								
5	1								
6	1								
7	1								
8	1								
9	1								
10	1								
11	1								
12	1								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					39.05	N. 7°			67.32 W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	5		E.	S.				30.30	Tue 21 day of Aug 1906.
2	5								12 to 4 Good Mod breeze.
3	5								4 " 8 " "
4	5								8. 12 Rain Clouds.
5	5								12 to 4 Steady Breeze.
6	5								4 " 8 " "
7	5								Swell from S. E.
8	5								8 to 12 Fine, clear, good
9	6								breeze. All sail set.
10	6								Crew all well.
11	6								Cooks No Better. Can't
12	6								make Bread. Lights
1	7								& Properly sent to.
2	7								
3	7								
4	7								
5	7								
6	7								
7	7								
8	7								
9	7								
10	7								
11	7								
12	7								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					39.08	17°			64.51 W.

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer	Barometer	REMARKS
1	51		E.	S.		30.30		Wed 22 day of Aug 1906
2								12 to 4 Good breeze
3								Clear of fine
4	56		"	"				4 to 8 Freshening.
5								All sail set
6								8 to 12 Good breeze.
7	94		"	"				12 to 4 " 20"
8								4 to 8 Less wind
9								swell from the S.E.
10								8 to 12 M. More moderate
11	27		"	"				Cooks are no better
12								We are eating awful
								food owing to its
								being so poorly cooked.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				39.17	14.0			59.50 W.	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer	Barometer	REMARKS
1	5		E.	S.		30.25		Thurs 23 day of Aug 1906
2								12 to 4 Mod fine
3								4 to 8 " "
4								8 to 12 " "
5								12 to 4 Very nearly
6								Calui
7								from S.E. Heavy swell
8								4 to 8 Air S.S.W.
9								8 to 12 " "
10								There was apparently
11								few of heavy Gale to
12								the S. As there is a very
								high sea running from
								there.
								Light re seen to.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				38.25	16.0			56.34	

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer	Barometer	REMARKS
1	5		S.E. S.W.	S.W.		30.25		Fri 24 day of Aug 1906
2								12 to 4 Light breeze
3								from S.W.
4								Heavy sea S.E.
5								4 P.M. Wind W.
6								8 to 12 Freshening.
7								8 to 12 Squally
8								Handled U. Topgals
9								12 to 4 Strong & Squally
10								4 to 8 More mod Clear.
11								8 to 12 Clear & fine.
12								Donkey All Logged Cook & Steward
								this day as they can not
								cook at all
								Cold in Club 30.20 Crew with exception of

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				37.09 N.	53.42 W.				

H	K	F	COURSES	WINDS	LEEWAY	Thermometer	Barometer	REMARKS
1	8		S.E. S.W.	N.		30.20		Sat 25 day of Aug 1906
2								Good breeze All sail set.
3								4 P.M. Freshening
4								An Royals.
5								8 P.M. Squally in U. Topgals
6								Projaack
7								8 to 12 Strong Squally.
8								12 to 4 " Clearing" Strong.
9								4 to 8 Strong Breeze.
10								8 to 12 Strong Breeze.
11								Set U. Topgals Projaack
12								Crew all well with exception
								of Donkey Main He still
								laid up.
								Pumps Right & re seen to.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				34.52	15.0			51.30 W.	

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	7		S.E. x S.	N.E.			30.30	Sun 16 day of Aug 1906.
2	7							Good Breeze
3	7							Cloudy.
4	7							
5	7							
6	7							
7	7							Midnight Squally
8	7							In Royals & Top.
9	7							
10	7							
11	7		S.E.	E.				
12	7							
1	6							12 to 4 Rain Squall.
2	6							
3	6							4 to 8 Clearing
4	6							
5	6							8 to 12 Cloudy.
6	6							Donkey Man laid up.
7	6							Rest of crew well.
8	5							Pump & pump to.
9	5							
10	5							
11	5							
12	5							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
--------	----------	---------------	-----------	---------------	-------------	-----------	---------------	---------	-------------

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	5		S.	E. x S.E.			30.30	Mon 17 day of Aug 1906.
2	5							12 to 4 Cloudy.
3	5							
4	5							4 to 8 Clear.
5	5							
6	5							10-30 Horn Sp.
7	5		S.W.	S.E.				12 to 4 Very Mod.
8	5		E. N.E.					
9	4							4 to 8
10	4		E. x S.	S. S.E.				8 to 12 Nearly Calm
11	4							at times
12	4							
1	4							12 M. Passed the Top of
2	4							a vessel. House on
3	4							Bridge deck of ship.
4	4							Canvass covered. Painted
5	4							Reddish Yellow or Mast
6	4							color. Apparently about
7	4							35 ft long by 15 wide.
8	4							To all appearance not long
9	4							in the water.
10	4							
11	4							
12	4							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
								30° 58' N.	48° 58'

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	3		S.E.	S.W.			30.30	Tues 18 day of Aug 1906.
2	3							Moderate Breeze.
3	3							
4	3							8 P.M. Very Mod.
5	3							
6	3							12 to 4 Nearly Calm.
7	3							
8	3							12 to 4 Wind light
9	3							from N.E.
10	3							4 to 8 "do"
11	3							8 to 12 Not much
12	3							wind. Cloudy.
1	2							Donkeyman still laid
2	2							up. Chest trouble.
3	2							
4	2							30 to 40 Served Lime Juice.
5	2							
6	2							
7	2							
8	2							
9	2							
10	2							
11	2							
12	2							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
--------	----------	---------------	-----------	---------------	-------------	-----------	---------------	---------	-------------

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	4		S.E. x S.	N.			30.40	Wed 19 day of Aug 1906.
2	4							12 to 4 Very Mod.
3	4							
4	4							4 to 8 "do"
5	4							
6	4							8 to 12 Slightly more
7	4							wind.
8	4							12 to 4 The same.
9	4							4 to 8 Mod.
10	4							8 to 12 "do" Swell
11	4							from N.E.
12	4							Donkeyman still laid
1	4							up. Chest trouble
2	4							Rest of crew well.
3	4							Pump lights & pump to.
4	4							Lime Juice served.
5	4							
6	4							
7	4							
8	4							
9	4							
10	4							
11	4							
12	4							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
--------	----------	---------------	-----------	---------------	-------------	-----------	---------------	---------	-------------

								29° 43' N.	47° 10' W.
--	--	--	--	--	--	--	--	------------	------------

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	4		SE 1/2 S	NW				30.40	Thurs 30 day of Aug 1906
2	4								12 to 4 Very Mod
3	4								All sail set.
4	4								Saw Bark going NE.
5	4								8 PM. Very Mod.
6	4								8 to 12 do.
7	4								12 to 4 Slightly more
8	4								air
9	4								4 to 8 About the same.
10	4								8 to 12 Cloudy But
11	4								no more wind.
12	4								Donkeyman still laid
13	4								up. No Better.
14	4								Pumps re seen to.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					28.54 N				46.05 W

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		SE 1/2 S	NW				30.40	Fri 31 day of Aug 1906
2	3								12 to 4 Mod of fine
3	3								4 to 8 Cloudy.
4	3								But no more wind.
5	3								8 to 12 do.
6	3								12 to 4 Very Mod
7	3								4 to 8 " "
8	3								8 to 12
9	3								Swell from NW.
10	3								Donkeyman still laid
11	3								up. Medicine seems
12	3								to do him no good
13	3								Rest of crew well.
14	3								Pumps Lights Look out
15	3								30.30 properly seen to.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					28.20 N				45.22 W

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	✓		SE 1/2 S	NW				30.30	Sat. 1 day of Sept. 1906
2	✓								Very mod continues
3	✓								through first part
4	✓								of 24 Hours.
5	✓								12 to 4 Light air N.
6	✓								4 to 8 Rain clouds.
7	✓								8 AM. Made out an
8	✓								object right ahead.
9	✓								9.30 Came up to it & found
10	✓								it to be a black painted
11	✓								whistling buoy standing
12	✓								about 15 ft out of water.
13	✓								No marks or numbers.
14	✓								Whistle in good working
15	✓								order. We heard same
16	✓								about 3 miles off.
17	✓								Day ends feeling some
18	✓								cloudy. Donkeyman
19	✓								still laid up.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					27.45 N				44.28 W

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		SE 1/2 S	ENE				30.30	Sun 2 day of Sept 1906
2	3								Moderate of fine
3	3								1 PM. do.
4	3								8 to 12 Overcast Sky.
5	3								12 to 12 Very Mod.
6	3								12 to 4 " "
7	3								4 to 8 Freshening
8	3								Cloudy.
9	3								8 to 12 Mod Breeze.
10	3								Donkeyman still sick
11	3								Doing every thing possib
12	3								for him. Rest of crew
13	3								well. Pumps Lights
14	3								re seen to.
15	3								30.30 Line piece mended.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					26.10 N				44.17 W

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	4		S 1/2 E	E N E.				30.30	Mon 3. day of Sept 1906
2	4								Moderate Breeze
3	4								Fine
4	4		"	"					4 to 8 Freshening
5	4								8 to 12 "
6	4		"	"					In Royals.
7	4								15 to 4
8	4		"	"					Good breeze.
9	5								4 to 8 " "
10	5		"	"					8 to 12 " " Small
11	5		"	"					from E.
12	5		"	"					Donkeyman
1	5								still laid up.
2	5		"	"					Pumps Light Prokout
3	5		"	"					perfully run to
4	5		"	"					50.50 Lime Juice served.
5	6								
6	6								
7	6								
8	6		"	"					
9	6								
10	6								
11	6								
12	6		"	"					

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					24° 23'	15° W			43° 59' W

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
2	4	56	N 1/2 E	E S E.				30.30	24 23 13.74 43.59 W. This 4 day of Sept 1, 1906.
3			"	"					12th 4 Strong breeze.
4			"	"					4th 8 " "
5			"	"					In Crossjack
6		17	"	"					8th 12 Strong & Squally.
7			"	"					12th 4 " "
8		47	"	"	1/2 Pt.				4th 8 " "
9			"	"					8th 12 " "
10			"	"					Sea from E S E.
11		79	"	"					Woodsyman still laid
12			"	"					up. Rest of Crew well.
13		20	"	"					Camp. Lights Look out
14			"	"					properly seen to.
15		50	"	"				30.30	Line measured.

Course	Distance	Diff of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					21.18	16. W.			43.06 W.

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	4		Sx W	S.E.					Thurs 3 day ci Sept 3 1906.
2	4								Squally & Rainy
3	3								2 PM Foot Rope of M.
4	3		"		1 Pt.				U. Top sail carried away
5	2								Fore sail very bad.
6	2								In 3. U. Top sails, & Jst
7	2		"	"					Blowing strong w/ squall.
8	2		"	"					8 to 12 " & Rainy.
9	2								12. & Strong.
10	2								4. 8 " Squally
11	2		"	"	2 Pt.				Heavy sea Decks full
12	2								of water at times.
1	2		"	"	3 "				Donkeyman still laid
2	2								up. No better.
3	2		"	"					Light. Logbook re run to
4	2								
5	2								
6	2								
7	2								
8	2		"	"					
9	2								
10	2								
11	2								
12	2								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					19° 9' N.				42° 25' W.

	H	K	F	COURSES	WINDS	LEEWAY	Thermomete.		Barometer	REMARKS
							Air	Water		
										Thurs 6 day of Sept. 1906
1	✓			SxW.	SE.	3 Pts				Blowing Strong
2	✓									Squally
3	✓			"	"	"				4 PM. Furl'd Foresail
4	✓			"	"	"				8 to 12 Strong Squally
5	✓			"	"	"				Heavy sea. Wick full
6	✓			"	"	"				water at times
7	✓			"	"	"				12 to 4 Raining but moon
8	✓			"	"	"				Mod' 4 to 8 "do. Let
9	✓			"	"	"				Foresail & B. U. Topsails
10	✓			"	"	"				12 Raining No Obs.
11	✓			"	"	"				Sea gone down some!
12	✓			"	"	"				Doukynman still sick.
13	✓			"	"	"				Pump &c run to

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Obs.	Variation	Diff. of Lon.	Lon. in	Lon. by Obs.
SW.	50.			18.25				43.00	

Journal from Philadelphi^a towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	2		S. E.	E. S. E.	2 Pt.			30.20	Fri 7 day of Sept. 1906
2	2								More Mod.
3	2								Rainy at times
4	2		"	"	"				4 to 8 "ls"
5	2								8 to 12 Clearing
6	2								12 to 4 Freshening
7	2								4 to 8 "
8	2		"	"	"				8 to 12 Strong
9	2								at times Squally.
10	2								Donkey man still
11	2								laid up Pump. Light
12	2								30.20 re seen to.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					17.02 N				42.33

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	5		S. E.	E.				30.20	Sat 8 day of Sept 1906.
2	5								Buzzing some Rainy
3	6								4 to 8 Squally
4	6		S. E. x S	N. E.					2000 In 4. Top 93ls.
5	7			"					8 to 12 Strong
6	7			"					12 to 4 Squally
7	7			"					24.00 Wind going to N. W.
8	7			"					4 to 8 In course
9	7			"					4. Topsail.
10	7			"					30.00 8 to 12 Blowing
11	7			"					with Hurricane force
12	7			"					from the S. W.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					16.22				40.27

Journal from Philadelphi^a towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	7		N. E.	S. W.				30.10	Sun 9 day of Sept 1906
2	7			S.					Still Blowing
3	7			"					Very Hard Heavy
4	7			"					Squalls.
5	7		E x N.	S. S. E.					6 PM. Brought up
6	7								to the wind Starboard
7	2								Jack. Have got out
8	2								of the track of Hurricane
9	2								8 to 12 Heavy Squalls.
10	2								Much Rain.
11	2								Thunder Lightning
12	2								in W.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					16.51				40.21

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	2		S. E.	E.				30.30	Mon 10 day of Sept 1906.
2	2								12 to 4 Mod.
3	2								Set T. sails
4	2		"	"					Course.
5	3								4 to 8 W.
6	3								Set Top 93ls.
7	4								8 to 12 Mod. breeze.
8	4								Squally.
9	4								12 to 4 "
10	4								4 to 8 "
11	4								8 to 12 "
12	4								Donkey man still

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					15.13				39.25

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	5		S.E.	E.				30.30	Tues 11 day of Sept 1906.
2	5								12 to 4 Good breeze.
3	5								8 AM. Spinn'g M.U.
4	5		"	"					Top 4 yard. fished
5	6								same. Also lower
6	6								Top 4 very bad.
7	6		"	"					4 to 8 Squally.
8	6		"	"					8 to 12
9	6		"	"					12 to 4 Clear.
10	6		"	"					4 to 8 Strong
11	6		S.E. x S. E.N.E.	E.N.E.					8 to 12 Squally.
12	6		"	"					Donkeyman still
13	6		"	"					laid up. Rest of
14	6		"	"					Crew well. Pumps
15	6		"	"					lights re sun to.
16	6		"	"					
17	6		"	"					
18	6		"	"					
19	6		"	"					

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					13.07				37.42

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	6		S.E. x S. E.N.E.	E.N.E.				30.30	Wed 12 day of Sept 1906.
2	6								12 to 4 Fine Clear
3	5		"	"					4 to 8 Moon Mod
4	5		"	"					All sail set.
5	5		"	"					8 to 12 Rain clouds
6	5		"	"					Wind hauling aft.
7	5		S.E.	N.E.					12 to 4 Wind N.
8	5		"	"					4 to 8 " N.W. Mod
9	6		"	"					8 to 12 Fine clear.
10	6		"	"					Donkeyman still laid up.
11	6		"	"					Rest of Crew well.
12	6		"	"					Pumps. Lights Lookout
13	6		"	"					sun to.
14	5		"	"					
15	5		"	"					
16	5		"	"					
17	5		"	"					
18	5		"	"					
19	3		"	"					

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					11.57 N.				36.22

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	5		S.E.	N.				30.30	Thurs 13 day of Sept 1906.
2	5		"	"					5 PM. Wind Lt.
3	4		"	SW					Light Mod
4	4		"	"					4 PM Rain Cloud.
5	4		"	"					8 to 12 Squally.
6	4		"	"					In 3 Royals. Fly jib
7	4		"	"					12 to 4 Moon mod.
8	4		"	"					Wind Baffling
9	4		"	"					Tide Rips.
10	4		"	"					4 to 8 Squally. Handled
11	5		"	"					4 Top 1 Crossjack Split
12	5		S.E. x S. S.W.	S.W.					Fly jib & 4. Fore Top sail.
13	5		"	"					12 PM Mod Breeze. Set
14	5		E.S.E.	S.					Crossjack & 4. Top 4
15	5		"	"					Pumps re sun to.
16	5		"	"					
17	5		"	"					
18	5		"	"					
19	4		"	"					

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					11.22 N.				34.53

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	4		S.E.	SW.				30.30	Fri 14 day of Sept 1906.
2	4		"	"					12 to 4 Passing Squall.
3	4		"	"					4. Top 4 Made fast
4	4		"	"					4 PM Cloudy. Mod.
5	4		"	"					8 to 12 Squally.
6	4		"	"					12 to 4 Clearing some.
7	4		"	"					4 to 8 Squally.
8	4		"	"					Wind & Rain.
9	4		"	"					8 to 12 Clearing
10	4		"	"					Set all sail.
11	4		"	"					Donkeyman still sick
12	4		"	"					Think it is Consumption
13	4		"	"					30.30. Fine clear.
14	4		"	"					
15	4		"	"					
16	4		"	"					
17	4		"	"					
18	4		"	"					
19	4		"	"					

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					9.58				33.57

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	2		S.E. & S.	S.W.				30.30	Sat 15 day of Sept. 1906.
2	3								Light Mod wind
3	3								Rain clouds
4	3								
5	3								
6	3								
7	3								
8	3								8 to 12 "do"
9	4								Woldrums.
10	4								12 to 4 Wind unsteady
11	4								4 to 8 Squally.
12	4								8 to 12 Very Mod
1	5								Donkeyman still sick
2	5								Rest of Crew well.
3	5								Pumps Lights Lookout
4	5								seen to. Lime Juice served.
5	5		E.S.E.	S.					
6	5								
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					9.34 N.				32.55

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	2		E.	S.E.				30.00	Sun 16 day of Sept 1906
2	2								12 to 4 Mod
3	2								Passing
4	2								rain clouds.
5	2								4 to 8 Very Mod
6	2								8 to 12 " "
7	1								
8	1								12 to 3.
9	1								3.00 Air from "E."
10	1								4 to 8 Mod air
11	1								All sail set.
12	1								
1	2		S.	E. air.					8 to 12 Mod. Clear
2	2								Very Hot 84° In shade.
3	2								96° In Cabin
4	2								Donkeyman still sick
5	2								Pumps. re seen to.
6	2								
7	2								
8	2								
9	2								
10	2								
11	2								
12	2								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					9.14 N.				32.20

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	2		Log 77. S 1/2 W	E.S.E.				30.00	Mon 17 day of Sept 1906.
2	2								Mod' Clear
3	2								4 PM, Very Mod
4	2								
5	2								8 to 12 "do"
6	2								Rain in A.
7	2								12 to 4 Mod
8	2								4 to 8 "do"
9	2								8 to 12 Squally.
10	2								Sea Smooth.
11	2								Donkeyman still sick.
12	2								Lights Pump. re
1	2								seen to.
2	2								Lime Juice served.
3	2								
4	2								
5	2								
6	2								
7	2								
8	2								
9	2								
10	2								
11	2								
12	2								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					7-49				32.20

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		S.	E.				30.30	Tues 18 day of Sept 1906.
2	3								12 to 12 Squally.
3	3		S.W.	S.E.					With mod' breeze.
4	3								6 PM. Torro Sp.
5	3								8 to 12 Mod
6	3								
7	3								
8	3								
9	3								
10	3								
11	3								12 to 4
12	3								4 to 8 Rain Squalls.
1	3								8 to 12 Clear Mod
2	3								Donkeyman still sick
3	3								Pumps. Lights. Lookout
4	3								seen to.
5	3								Lime Juice served.
6	3								
7	3								
8	3								
9	3								
10	3								
11	3								
12	3								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					7.47 N				31.00

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		SSE	SW				30.30	Wed 19 day of Sept 1906.
2	3								Clear mod breeze,
3	3								4 to 8 Squally
4	3								(Rain)
5	2								8 to 12 Rainy.
6	2								12 to 4 Mod
7	2								4 to 8 " Rainy
8	2								8 to 12 Clearing.
9	2		ESE	S.					These are doldrums,
10	2								for sure.
11	2								Donkeyman still
12	2								sick. Rest of crew
1	2								will. Pump. Lights
2	2								lookout seen to.
3	2								
4	2								
5	2								
6	2								
7	2								
8	2								
9	2		SSE	SW					
10	2								
11	2								
12	2								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					7.47				30.50

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		SSE	SW				30.30	Thurs 20 day of Sept 1906.
2	3		SW	SSE					Clear but Mod
3	3								3 PM Wood Sp
4	3								4 to 8 Rainy
5	3								8 to 12 Partly Clear.
6	3								12 to 4 " "
7	3								4 to 8 Rainy Baffling
8	3								7 Wood Sp
9	3								8 to 12 Rain at times
10	3								Swell from S.E.
11	3								Donkeyman still sick
12	3								Lime Juice served.
1	3								
2	3								
3	3								
4	3								
5	3								
6	3								
7	3								
8	3								
9	3								
10	3								
11	3								
12	3								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					7.44				30.30 W.

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		SSE	SW				30.30	Fri 21 day of Sept 1906.
2	3								Clear Light Breeze.
3	3								8 PM. Rainy
4	3								12 " "
5	3								12 to 4 Clearing
6	3								4 to 8 Clear Mod
7	3								" " " " "
8	3								8 to 12 " " "
9	3								Look like clear
10	3								weather.
11	3								Donkeyman still
12	3								laid up sick (No better)
1	3								Lights Lookout re
2	3								seen to
3	3								Lime Juice served.
4	3								
5	3								
6	3								
7	3								
8	3								
9	3								
10	3								
11	3								
12	3								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					7.44				30.00 W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		SSE	SW				30.20	Sat 22 day of Sept 1906.
2	3								12 to 4 Fine clear.
3	3								weather
4	3								4 to 8 " "
5	3								8 to 12 Right Breeze
6	3								All sail set throughout
7	3								signallized two times
8	3								going SW. One answered.
9	3								12 to 4 PM. Fine but Mod.
10	3								4 to 8 " "
11	3								8 to 12 Very Mod
12	3								Donkeyman still laid
1	3								up sick Pump. Light.
2	3								Lookout seen to.
3	3								Lime Juice served.
4	3								
5	3								
6	3								
7	3								
8	3								
9	3								
10	3								
11	3								
12	3								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					7.19				16.55

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		E. S. E.	S.				30.20	Sun 23 rd day of Sept 1906.
2	3								Fine Clear.
3	3								Very Mod
4	3								"
5	3								"
6	3								8 PM. "do"
7	3								"
8	3								"
9	3								12 " " Squally.
10	3		S. E.	S. S. W.					12th " " "do"
11	3								4 to 8 "do"
12	2								Squally.
13	2								8. 12 Clearing
1	2								Mod Breeze.
2	2								Donkeyman still
3	2								laid up sick.
4	2								"
5	2								"
6	2								"
7	2								"
8	2		S. S. E.	S. W.					"
9	3								"
10	3								"
11	3								"
12	3								"

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					7.00	N 15°			26.00

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		S. E.	S. S. W.				30.20	Mon 24 th day of Sept 1906.
2	3								Very Mod air
3	4								Woldrums.
4	4								4 to 8 Clear fine
5	4								8. 12 Rain Clouds.
6	4		S. S. E.	S. W.					12 " " " "
7	4								"
8	4								"
9	4								"
10	4								"
11	4								"
12	4								"
1	4								"
2	4								"
3	4								"
4	4								"
5	3								"
6	3								"
7	3								"
8	3								"
9	3								"
10	3								"
11	3								"
12	3								"

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					6.29	N.			25.00

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		S. E.	S. W.				30.40	Tue 25 th day of Sept 1906.
2	3								Variable & Light air
3	3								4 to 6 Woldrums
4	3		E.	S.					Plenty of Rain.
5	3		S. E.	S. S. W.					8 PM. Fresh Breeze
6	3								from S. S. W. Rainy.
7	3								Buzzing on strong.
8	3								In L. Topgals. Musl.
9	3								12 Heavy Squalls.
10	3								12th Strong Squally.
11	3								DK. going on other Tack.
12	2								12 M. Clearing some.
13	2								Donkeyman some better.
1	2								30.15 Fine Juice served.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					6.29	N.			23.09

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	2							31.15	Wed 26 th day of Sept 1906.
2	2								12 to 4 Strong Gale.
3	3								4 " 8 Quite heavy sea.
4	3								Topgals Made fast.
5	3								8 to 12 Squally.
6	3								12 " 4 Clearing
7	3								Set Topgals.
8	3								4 to 8 Clear.
9	3								8. 12 How sp 8 AM.
10	3								12 M. Clear fine
11	4								Donkeyman some better
12	4								Rest of crew well
1	4								Lights Look out re
2	4								30.20 seen to, Fine Juice served.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					6.25				22.13

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	✓		W.	S.				30.20	Thurs 27 day of Sept 1906
2	✓								Fine clear
3	✓								4 PM. No freshening
4	✓		"	"					8 to 12 Fine.
5	✓								All sail set.
6	✓		W. S.	"					12 to 4 Mod.
7	✓								4 to 8 Cloudy.
8	✓								8 to 12 " but fine.
9	✓								Swell from S.E.
10	✓								Looks like fine weather.
11	✓								Donkeyman some better.
12	✓								Rest of crew well.
13	✓								Pumps re pump to.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					5° 41' N. 20° W.				23° 00' W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	✓		W. S.	S.				30.20	Fri 28 day of Sept 1906
2	✓								Fine clear
3	✓		"	"					Mod breeze.
4	✓								8 to 12 Do.
5	✓								12 to 4 Mod Cloudy.
6	✓								4 to 8 " Wind N.
7	✓								8 to 12 Baffling
8	✓								& nearly calm.
9	✓								Pump. Lights Lookout
10	✓								attended. Donkeyman
11	✓								at work Light jabs
12	✓								Lime Juice served.
13	✓								Sea smooth. Light

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					5.12 N. 20.				24° 23' W.

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1			Not	Calm				30.20	Sat 29 day of Sept 1906.
2									12 to 4 Calm.
3			steering	"					Not steering
4	1		S.E. & E	S.S.W.					4 to 30 Air S.S.W.
5	1								8 to 12 Breezing.
6	2		"	"					12 to 4 " " Royals.
7	2		"	"					4 to 8 Fresh.
8	3		"	"					8 to 12 " Cloudy.
9	3		"	"					Crew all well.
10	3		"	"					Pumps Lights Lookout
11	3		"	"					properly run to.
12	3		"	"					Lime Juice served.
13	3		"	"					

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					4° 43' N.				23° 10' W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	5		"	"				30.10	Sun 30 day of Sept 1906.
2	5		"	"					Cloudy. & Freshening
3	5		"	"					4 PM. Steer going N.E.
4	5		"	"					8 PM. Squally. Rain
5	4								& windy.
6	4								Sw. Course. Poss
7	4								& Main. also
8	4		E.S.E.	S.	1 Pt.				& U. Top 9 ft.
9	4		"	"					8 to 12 Squally some
10	4		"	"					very strong.
11	3		"	"					12 to 4 " " "
12	3		"	"					4 to 8 Clear. Strong
13	3		"	"					8 to 12 M. Sea from the S.E.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					4° 40'	20°			24° 00'

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	1	1	E. S. E.	S.				30.20	Mon 1 day of Oct 1906.
2									Strong Breeze
3									Cloudy
4	17		S. W. S. E.	S. E.					4 PM. Warm Sp.
5									Set Procyack & Mussel.
6									8 to 12 Fine
7									Set U. Top gals
8									12 to 4 More Mod
9									4 to 8 Clear.
10									8 to 12 Cloudy.
11									" Passing Squalls.
12									" Signallized "Horn" Bk. going N. W. Could not get his name. As he only let Nat. Colors.
1	56		N. S. W.	S.					Crew all well. Lime Juice served. as usual.
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					3.57 N.			24.55 W.	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	24		N. S. W.	S.	1/2 Pt.			30.20	Tues 2 day of Oct 1906.
2									12 to 4 Strong
3									4 to 8 Squally
4	54								In Royals.
5			S. W. S. E.	S. E.					8 to 12 Strong
6									12 to 4 Clearing
7	74								4 to 8 Clear
8									All sail set.
9									8 to 12 Cloudy.
10									Crew all well.
11									Lights Lookout seen to.
12	96								Lime Juice served.
1									
2									
3	16								
4									
5									
6									
7									
8	36								
9									
10									
11									
12	67							30.20	

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
	143'				2.37 N. 20.			26.30 W.	

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	67		S. W. S. E.	S. E.	1/2 Pt.			30.20	Wed 3 day of Oct 1906.
2									Good breeze. Fine
3									4 PM. "do"
4	77								6 to 12 Squally
5									8 to 12 Fine. Clear
6									12 to 4 " "
7	97								4 to 8 " Cloudy
8									8 to 12 " Good.
9									Breeze. All sail set.
10									Crew all well.
11									Lights Lookout re.
12	17								thoroughly seen to.
1									Lime Juice served
2									30.20 did not see St. Pauls.
3	37								
4									
5									
6									
7	60								
8									
9									
10									
11									
12	22								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					00.40 N. 18th			28.22 W.	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	22		S. W. S. E.	S. E.	1/2 Pt.			30.20	Thurs 4 day of Oct 1906.
2									Good breeze Clear.
3									4 to 8 "do"
4	48		S. W. S. E.	S. E.					8 PM. Crossed the
5									Equator. Long 29.00 W.
6									8 to 12 Fine Clear.
7	74								Good Morn.
8									12 to 4 "do"
9									4 to 8 " "
10									8 to 12 " All sail
11									set throughout
12	100								Crew all well.
1			S. S. W.	S. E.					Lights Lookout re seen to.
2									Lime Juice served.
3	36								
4									
5									
6									
7	53								
8									
9									
10									
11									
12	87							30.20	

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
	165'				1.43 N.			29.25 W.	

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	Log	87	S. 1/2 W.	S. E.	1/4 Pt.			30.20	Fine Trades
2									
3									
4									4-30 Sig. Norwegian
5									BK. going N.W. He
6									did not show his
7									number. Only ensign.
8									8 to 12 Fine Good breeze
9									12 to 4 "do"
10									
11									
12		74						30.15	4" 8 Freshening
13									8" 12 Good breeze
1									Fine Trades
2									
3									
4									
5									
6									
7									
8			S. 1/2 W. E. S. E.						Run all well.
9									Pumps. Lights Lookout
10									properly run to.
11									
12		62						30.15	Fine Juice served

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
S. 1/2 W.	175.				44° 32' N.	17°			30° 08' W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1		62	S. 1/2 W.	E. S. E.				30.13	Sat 6 day of Oct. 1 1906
2									Fine Trades
3									
4		90							Good breeze
5									All sail set.
6									
7									8 to 12. Light squalls.
8		25							12" 4 " "
9									
10									4" 8 Cloudy. Fine.
11									8" 12 M. Clear fine
12		52							Run all well.
13									Lights Lookout Pump.
1									sun to.
2									
3									
4		84							Fine Juice served.
5									
6									
7									
8		16							
9									
10									
11									
12		32						30.15	

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
S. 1/2 E.	170.				7° 30' N.	16°			30° 00' W.

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	Log	32	S. 1/2 W. 1/2 W.	E. S. E.	1/2 Pt.				Sun 7. day of Oct 1906
2									
3									Mod. Breeze
4		56							All sail set.
5									
6									
7									8 to 12 "do"
8		76							
9									
10									12" 4 Rain Clouds.
11									
12		96		E.					4" 8 Clear fine
13									
1									
2									
3									
4		16							8" 12 " "
5									
6									
7									Sent Miz Royal Yard
8		30							on deck Find Top g'mast
9									to be very bad. Wind
10									fair. Made well secure.
11									Run all well.
12		43							Pumps re sun to.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
S. 15' W.	111.				9° 28' N.	15° W.			30° 15' W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	4		S. 1/2 W. 1/2 W.	E.	1/2 Pt.				Mon 8. day of Oct 1906.
2	4								12 to 4 Fine clear
3	4								
4	4								4" 8 Cloudy
5	4								Looks like rain.
6	4								
7	4			N. E.					8 to 12 "do"
8	4								Wind unsteady
9	4								
10	4								12" 4 Baffling Rainy
11	4			N.					4" 8 " "
12	4								8" 12 M. " "
13	3								
1	3								All sail set.
2	3								
3	3								Run all well.
4	3								
5	3			To.					
6	3								
7	4								
8	4								
9	4			E.					Pumps re carefully
10	4								sun to.
11	4								
12	4								Fine Juice served.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
S. 15' W.	90.				10° 38' N.	15° W.			30° 30' W.

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	✓		S. W. N. E.					30.20	Tues. 9. day of Oct. 1906.
2	✓								Moderate & Rainy
3	✓								all around.
4	✓								
5	✓		S. W. N. E.						8 to 12 Squally.
6	✓								12. 4 " Rain
7	✓								4. 8 " More Clear.
8	✓								
9	✓								
10	✓								
11	✓								
12	✓								
1	✓							30.10	8. 12 " Clear at times
2	✓								No Morning Obs
3	✓								Run all well.
4	✓								Pumps Lights Lookout
5	✓								seen to Line Juice served.
6	✓								
7	✓								
8	✓								
9	✓								
10	✓								
11	✓								
12	✓							30.10	

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
S. 15° W.	96.				12° 46' N.	11°		30° 45' W.	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	✓		S. W. N. E.						Wed. 10. day of Oct. 1906.
2	✓								12. 4 " Wind Variable &
3	✓								Rainy at times
4	✓								
5	✓		S. W. N. E.						4. 8 " Baffling & Rainy
6	✓								
7	✓								8. 12 " " "
8	✓								12. 4 " Rainy & Unsteady.
9	✓								4. 8 " Very Mod. & Rainy
10	✓								8. 12 " Rainy.
11	✓								No Obs. this day.
12	✓								Swell from the S. W.
1	✓								Run all well.
2	✓								Pumps Lights Lookout
3	✓								seen to Line Juice served.
4	✓								
5	✓								
6	✓								
7	✓								
8	✓								
9	✓								
10	✓								
11	✓								
12	✓								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
S. 15° W.	75.				13° 00' N.			31° 00' W.	

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		S. W. N. E.					30.20	Thurs. 11. day of Oct. 1906.
2	3								Rainy Thick Cloudy.
3	3								
4	3								
5	3								8 to 12 More Mod.
6	3								12. 4 " Rainy
7	3								4. 8 " " "
8	3								8. 12 " " Thick.
9	3								Royal in.
10	3								
11	3								
12	3								
1	✓								
2	✓								
3	✓								
4	✓								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								
11	✓								
12	4							30.20	

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
S. 17° W.	100.	88' S.	47.1" E.	14° 28' N.	12°	48'	31° 48' W.		

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1			S. W. N. E.						Fri. 13. day of Oct. 1906.
2									12. 4 " Rainy & Squalls.
3									4. 8 " " "
4									8. 12 " " "
5									12. 4 " More Clear.
6									4. 8 " Clearing
7									8. 12 " Clear at times
8									Rainy Squalls.
9									Run all well.
10									Pumps Lights &c.
11									properly seen to.
12									Line Juice served.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
S. 17° W.	120.				16° 37' N.	12°		32° 25' W.	

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	22	11	SW 1/2 W.	E.S.E.				30.20	Sat 13. day of Oct 1906.
2									Begins clear fine
3									4 P.M. Squally.
4	46								Signallized Four mast
5									Bktw Ensenada going
6									N. P.M. Another Bkt to
7									the W. going N.
8	68								8 to 12 Fine clear.
9									12. 4 " "
10									4. 8 " "
11									8. 12 M. " "
12	80								Freshening
1									Crew all well.
2									Pumps Lights look out
3									properly run to.
4	12								30.20 Lime Juice served.
5									
6									
7									
8	42								
9									
10									
11									
12	93								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					19.14 N.	11.°			33.56 W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	23	11	SW 1/2 W.	E.S.E.				30.20	Sun 14. day of Oct 1906.
2									Fine clear.
3									8 to 12 Squally.
4									12. 4 " "
5									4. 8 " "
6	46								8. 12 Cloudy &
7									occasional Rain cloud.
8									Weather looks unsettled
9									Swell from S.E.
10									Crew all well.
11	70								Pumps Lights look out
12									run to.
1									30.10 Lime Juice
2									served.
3									
4	90								
5									
6									
7									
8	10								
9									
10									
11									
12	33								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					21.15 N.	11.°			35.25 W.

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	33	11	SW 1/2 W.	E.S.E.				30.20	Mon 15. day of Oct. 1906.
2									Mod. Buzg. Cloudy
3									Bank in SW.
4									4. 8 Clearing
5									8. 12 Good breeze.
6									Bent #1. Foresail.
7	82							30.30	12 to 4 Freshening
8									4. 8 Squally.
9									8. 12 Fresh breeze.
10									Cloudy.
11									Crew all well.
12									Pumps
1									Lights look out
2									run to.
3									Lime Juice served.
4	47								
5									
6									
7									
8	80								
9									
10									
11									
12	16							30.30	

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
	187.				23.48'	6. W.			37.30 W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	16	11	SW 1/2 W.	E.S.E.				30.30	Tues 16. day of Oct. 1906.
2									Mod. breeze. Cloudy.
3									6 P.M. Freshening.
4									8. " " Cloudy.
5									In N. Topgals.
6									30.35 12 Strong Cloudy.
7	76								4. " "
8									Partially
9									clear.
10									8 to 12 Strong breeze.
11	4			E.					Hauling to N.
12									Look Windy.
1									Pumps
2									Lights look out
3									run to.
4	34			E N.E.					30.30 Crew all well.
5									
6									
7									
8	67								
9									
10									
11									
12	3								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
	187.				26.22 N.	7.°			39.45 W.

Journal

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
SW 1/2 S	165'	127'	104'	28° 33'	None	7° W	427	41° 42' W	
H	K	F	COURSES	WINDS	LEEWAY	Thermometer	Barometer	REMARKS	
1			S. W.	W N W	Left	Air	Water	Thurs. 18. day of Oct. 1906.	
2							29.95	Rainy & Calm.	
3	"	66						3 PM. Breeze W N W.	
4			"	"	"			4 P. M. Thick Fresh.	
5								8 " 12	
6								12 " 11	Clearing
7			S. E.	S. W.	"			4 " 8	Rain at times
8								8 " 11	" Thick
9								11 " 12	Clearing
10								Well from S. W.	
11								Clear all well.	
12								Camp. Lights re	
13								seen to. Line Junc	
14			S.	W. S. W.			29.95	saved.	
Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					29.29	1.6°		42.00	

Journal

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	4		S.	N.W.				29.90	Strong Breeze Squally
2	4								
3	4								
4	4		"						
5	4		S.W.	N.W.					11 P.M. Squally,
6	3								S. " " More Mod
7	3		"						
8	3		"						
9	3		"						12 " Lightning Plenty
10	3		"						of Lightning in N.W.
11	3		"						4 A.M. Rain Squalls,
12	3		"						
1	2		"						8. " Clearing
2	2		"						8. 12 M. Rain all
3	2		"						around at times
4	2		"						Heavy swell from S.E.
5	3		"						Pumps light look out
6	3		"						seen to.
7	3		"						Crew all well.
8	3		"						Line piece served Regular.
9	3		"						
10	3		"						
11	3		"						
12	3		"						
13	3		"						

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					30° 44'	5° W.			

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		S.W.	N.W.				30.00	Very Mod Rain clouds.
2	2								
3	2		"						all around.
4	2		"						
5	2								8 P.M. Heavy sea ahead.
6	2								Hauled too. To W. to
7	2		N.W.	N.W.					stop Rolling.
8	2								12 Sp. Rolling heavily
9	2								very Mod.
10	2								4 to 8. Wind freshening
11	2								some.
12	2								8 to 12. Fine clear.
13	2		N.W.	N.					but Mod.
1	2		"						Crew all well.
2	2		"						Pumps or attended.
3	2		"						
4	2		"						
5	2		"						
6	2		"						
7	2		"						
8	2		"						
9	2		"						
10	2		"						
11	2		"						
12	2	96	"					30.00	Line piece served.
13	2		"						

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					31° 03'	5°			43° 10' W.

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	46	76	N. N. W.	N.				30.30	Sun 21 day of Oct 1906.
2									Mod. Sp. rolling
3									heavily
4				To					8 PM. Squally.
5									In U. Topgals
6				N. E.					12 Plenty of Thunder
7									& Lightning in S. W.
8									12 to 4 Squally
9				To					Heavy sea from S. E.
10									4 to 8 Rain Squalls.
11									8 to 12 Clear at 12 M.
12									Had to keep Sp. on sea
13	86			N. W.					She is rolling so heavy.
14									Crew all well.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
N. 1/2 S.					31.30	S. 4°			44.15 N.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	86	76	N. x N.	N. N. W.				30.10	Mon 22 day of Oct 1906.
2									Very mod. Clear.
3									4 to 8 Squally.
4									8 to 12 Clear
5									Heavy sea. S. E.
6									12 to 4 Fine
7									4 to 8 "
8			S. W.						Wind hauled W.
9									8 to 12 Clear Fine
10			S. S. W.	W.					& freshening.
11									Sea has not gone
12									down any.
13	46								Ship rolling heavily
14									Pump re run to.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					32.05	N. 11°			45.10 N.

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	46	76	S. W.	N.				30.15	Tues 23 day of Oct 1906.
2									Mod. & Sp. rolling
3									8 PM. Now Sp. to the
4			S. E.	S. W.					W.
5			S. E.	S. W.					12 Mod. breeze.
6			N. x N.	"					4 Cloudy &
7									Breeze.
8									8 to 12 Very Mod.
9									Cloudy.
10									Crew all well.
11									Pumps. Lights Look out
12									properly run to.
13	3								Time Juice served.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					32.24	00			45.40 N.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3							30.15	Wed 24 day of Oct 1906.
2									Not. Stirling
3			S. W.	N.					4 PM. Air N.
4									8. " " "
5									12 Wind N. E. Fresh.
6				N. E.					12 to 4 " "
7									4 to 8 More Mod.
8									8 to 12 Squally.
9									Crew all well.
10									Pumps. Lights Look out
11									run to.
12				N. E.					No Obs. Rainy.
13	84								Bogus. Bureed Potatoes.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					33.20	S.			46.52 N.

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	29	84	S. W.	N. E.			29.90	Thurs 25 day of Oct 1906
2								Squally.
3								Hauling to NW.
4				N.				8 to 12 Strong Cloudy.
5								More Sp.
6								Squall from S. E.
7	100			N. W.				30.00 4 to 8 Clearing
8								8. 12 Clear Mod
9								Crew all well.
10			E. S. E.	S.				Pump. Lights on
11			N.					new to Lime Juice
12	30		S. W.	S. E.				30.15 record.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					34.24	.00.			47.50 W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1		26	N. x S.	S. E. W.			30.15	Fri 26 day of Oct 1906
2								Mod. Breeze fine
3								4 to 8 No.
4								8. 12
5								2 AM. More Sp. to the
6			S. E. W.	N.				S. W.
7								4 to 8 Fine weather.
8			S. W.	N. W.				8. 12
9			N. W.	N. S. W.				Oiled Decks. Fore
10								aft. Very warm.
11			S. E. W.	N. W.				Crew all well.
12			S.	N. S. W.				Pump. Lights on
13	30		S. E.	S. E. W.				new to Lime Juice. strong

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					34.37 S.	.00.			49.00

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	29	18	S. E.	S. E. W.			30.15	Sat 27 day of Oct 1906
2								Mod fine
3								Smooth sea.
4								4 to 8 No.
5			N. x S.	S.				6 PM More Sp.
6			S. W. x N.	S. E.				11. " Wind E.
7				S. E.				12 to 4 Breezing
8				E.			30.20	4. 8 No.
9								8. 12 Strong
10				N. E.				In light sail
11								4 Topsail
12								Blowing hard & rain
13								Misc. Crossj.
14								making up from N. E.
15								Crew all well.
16								Pump. re pump to.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					35.29				51.00 W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	8		S. W.	N. E.			30.30	Sun 28 day of Oct 1906
2	8							Blowing Strong
3	8						32.20	4 PM. In N. Topsails
4	8							Fore sail & Miz. R. Topsail
5	8							8 PM. Heavy Squalls.
6	8						29.90	Big Sea making up
7	8							12. Blowing with
8	8							Hurricane force.
9	8						29.70	Decks full of water.
10	9							4 AM. Terrific Squalls.
11	9							Had to keep ship off to
12	9							head the sea.
13	9						29.80	8 to 12 M. Heavy sea
14	8		N. E. x N.	S. W.				from N. E. & strong breeze
15	7							Decks flooded
16	3						29.90	at times
17	3							Crew all well.
18	2							Pump. re pump to.
19	2							
20	2							
21	2							
22	2							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					37.00 S.				52.40

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	2		NE x N.	SW.	3 Pt.		34.40	Mon 29 day of Oct 1906.
2	2							Strong Breeze from
3	2							SW. Heavy sea from
4	2							NE. Have to head
5	2		NE x N.	S.				sea.
6	2							4 PM. Sea going down
7	1							6 " " " " " " " "
8	1							head to the wind.
9	1							8 to 12 Moderating
10	2							Set U. Topsails.
11	1							12 to 4 Clear fine.
12	1							4 to 6 " " " "
13	2							BR. apparently without
1	1							much sail left going
2	1							to the NE. Ends fine.
3	1							Very much air from SW.
4	1		SE. SW.					Crew all well.
5	1							30.30 Pumps re new to.
6	2							
7	2							
8	2							
9	2							
10	2							
11	2							
12	2							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					36.47 N.				52.14 W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	2		SE	SW.			30.30	Tues 30 day of Oct 1906.
2	2							Light air from SW.
3	2							6 PM. Breeze NE.
4	2		SW x S.	NE.				8 " " Blowing fresh.
5	2							In Course & 3 Topgals
6	2							10 PM. In 3 U. Topsails
7	4							12 " " Blowing fresh.
8	4							sea making up.
9	5						30.20	12 to 4 Strong
10	6							4 to 8 " " Squally.
11	7							9 AM. Tumbled Miz R.
12	7						30.10	Topsails & Foresail.
13	7							12 M. Blowing Strong
1	7							but got saw.
2	7							Crew all well. Pump.
3	8							30.00 Lights re new to.
4	8							
5	8							
6	8							
7	8							
8	8							
9	8							
10	8							
11	8							
12	8							
13	8							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					38.47 N.	6.6			53.37 W.

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	2		SW x S.	NE.			30.00	Tues 31 day of Oct 1906.
2	2							Blowing fresh
3	2							Occasional Rain cloud.
4	2							4 PM. " " "
5	2		S.	SW x S.			29.90	6 " " Kind SW x S.
6	2							Clearing
7	2							8 to 12 Strong breeze
8	2							12 " " More Mod"
9	2		SE.					Wind heading
10	2						30.00	5 AM. Have sp. to it.
11	2		SE.	SW.				8 to 12 Clear fine Bux
12	2		SW x S.					breeze from S.
13	2							Crew all well Pump.
1	2							Have got a new pair Lights Lookout new to.
2	2							30.00 Lime Juice served.
3	2							
4	2							
5	2							
6	2							
7	2							
8	2							
9	2							
10	2							
11	2							
12	2							
13	2							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					39.59 N.	6.6			53.40 W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	2		SW x S.	NE.			30.00	Thurs 1 day of Nov 1906.
2	2							Very fine
3	2							Mod. air
4	2							8 PM. Breeze from N.
5	2							12 " " Strong
6	2							12 to 4 " " Rainy
7	2							4 to 8 " " "
8	2							8 to 12 " " Overcast.
9	2							hauling to the NW
10	2							Carried away Main Lower
11	2							Topsail Yard. Fixing same
12	2							No Ob. this M.
13	2							Crew all well Pump.
1	2							29.90 re new to Lime Juice served.
2	2							
3	2							
4	2							
5	2							
6	2							
7	2							
8	2							
9	2							
10	2							
11	2							
12	2							
13	2							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					41.25 N.	6.6			55.30 W. Now.

Journal from Philadelphia towards San Francisco.

H K F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
				Air	Water		
1	By 12	S. N. W.	N. W.			29.90	Fri 2 day of Nov 1906.
2							Overcast Sky.
3							4 PM Squally.
4							8. " In U. Topsails
5							8 to 12 Strong
6							Thick.
7							12 to 4 Clearing
8						29.95	4. 8 Clear fine.
9							8. 12 " "
10							U. Topsails set courses.
11							Way ends fine.
12							Crew all well.
13						30.00	Pumps Lights Lookout properly seen to.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					43° 57'	6°		56° 40'	

H K F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
				Air	Water		
1	9. S. E.	S. W.				30.00	Sat 3 day of Nov 1906.
2							12-30 W. Sp.
3							4 PM Fine
4							Good breeze.
5							8 PM Clear Mod
6							12 Breezing
7							4 AM Strong
8						29.90	Overcast.
9							8 to 12 Blowing Fresh.
10							In U. Topsails.
11							Courses Crossed & Must
12							Crew all well
13						29.90	Pumps Lights & seen to.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					43° 32'			57° 20'	

Journal from Philadelphia towards San Francisco.

H K F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
				Air	Water		
1	By 28	S. W. 1/2 W.	N. W.			29.90	Sun 4 day of Nov 1906.
2							12 to 4 Thick at times
3							Blowing Strong
4							Reefed U. Topsail
5							4 to 12 About the same.
6							12 to 4 Strong.
7						29.80	Thick Rainy.
8							4. 8 " "
9							8. 12 Clearing some.
10							at times
11							Crew all well.
12							Pumps Lights
13						29.80	Lookout seen to.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				44° 10'	Now			58° 00'	Now.

H K F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
				Air	Water		
1	1	S. W. 1/2 W.	N. N. W.				Mon 5 day of Nov 1906.
2	2						Very mod. & Thick
3	2						fog at times
4	2						4 PM
5	2						5-30 Fog lifting we were
6	2	N. W.	N. S. W.				close to twelve Icebergs.
7	2						Three Monstus at least
8	2						20 ft high & half a mile
9	2						long.
10	2						W. Sp. at 6 PM.
11	2						retired to the N. Buge born
12	2						from S. to W.
13	2						12 PM Saw a Sp. on the
1	2						same tack to the E. of us.
2	2						12 to 4 Strong Breeze
3	2						U. Topsails in.
4	2						4 to 8 Clear.
5	2						8. 12 Buge in sight
6	2						to the S. W. Wind favoring
7	2						at times.
8	2						Crew all well.
9	2						Pumps & seen to.
10	3	N. W. - N.					
11	3						
12	3						Line Juice served.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				44° 22'				58° 38'	W.

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	2		N.W.	N.W.					Tues 6. day of Nov 1906.
2	2								Mod fine
3	2								4 P.M. Buzg. (4) bore
4	2								S.E. from aloft.
5	2								8 P.M. Our bore S.W.
6	2								12 Strong buzg. at times
7	2								3-30 AM. No ship.
8	2								4 to 8 Clear.
9	2								8 to 12 Overcast
10	2		N.W.	N.W.					Can't see any ice at
11	2								12 M. Crew all well.
12	2								12-30 Ice from aloft. Pump. Lights Lookout
13	2								In the W. properly seen to.
1	2								Temp of Water. 44°.
2	2								29.90 " " Air. 54°. 12 M.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				44° 00'				59° 00'	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	2		S.W.	N.W.				29.90	Wed 7 day of Nov 1906.
2	2								12-30 Ice to the W & S.
3	2								Two large Buzg.
4	2		N.W.	N.W.					4 P.M. (Now Sp.)
5	2								Furled U. Topsails
6	2								Glass low.
7	2								29.70 12 Strong Buzg.
8	2								12 to 4 "Now Mod"
9	2								4 to 8 "Now Mod"
10	2								Set Topsails
11	2								Two Buzg. in sight to
12	2								the W.
1	2								8 to 12 Clear. fresh.
2	2								29.60 Crew all well.
3	2								Pump. Lights Lookout seen to.
4	2								Temp Water. 45°.
5	2								29.70 " " Air. 54°.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				43° 30'		10°		59° 10'	

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	2		N.W.	N.W.	1 Pt.			29.90	Thurs 8 day of Nov 1906.
2	2								Clear fine
3	2								Wind freshening.
4	2								4 P.M. Strong
5	2								Sent Sp. anker Jaff down.
6	2								8 to 12 Overcast
7	2								Strong buzg.
8	2								12 to 4 "Is"
9	2								4 to 8 Clear
10	2								8 to 12 "V. Mod"
11	2								Crew all well
12	2								Pump. Lights Lookout
13	2								carefully seen to.
1	2								29.90 Lime Juice served.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				42° 36'		11°		59° 15'	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		S.W.	W.	1 Pt.			29.90	Fri 9 day of Nov 1906.
2	3								Mod buzg. fine
3	3								4 P.M. "Is"
4	3								7 to 12 Squally in W.
5	2								Now ship.
6	2		N.W.					29.80	8 to 12 Thickening up.
7	2								Buzg. Raining
8	2								12 to 4 Rainy
9	2								Squally. from S.E.
10	2		N.W.	S.E.	2 Pts.				4 to 8 Buzg. strong
11	2								29.80 In U. Top's & Foresail.
12	2								12 Blowing strong
13	2								29.90 Crew all well. Pump.
1	2								Lights Lookout carefully
2	2								attended to.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				42° 19'		11° E.		59° 32'	

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	/		W. S. S.	S.	30 Pts.			30.00	Lat 10 day of Nov 1906
2	/								Blowing strong
3	/								4 PM
4	/								from South.
5	/								8 PM Now Mod.
6	/								Set 3 M. Topsails.
7	/		W. S. W. S. S. W.					30.10	12 to 4 Mod fair
8	/								Set 3 L. Topgals.
9	/								4 to 8 Fair
10	/		W. S. W. W. S. W. 2 Pts.						7-30
11	/								8 to 12 Fine Clear.
12	/		W. S. W. W.						Clear all well.
13	/		S. W. S. W. S. W.						Light re sun to
14	/							30.20	Line Juice served.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				42.06	42.11	11.6			59.28 W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	/		W. S. S.	N. W.				30.20	Lat 11 day of Nov 1906
2	/								Fine with fresh
3	/								breeze.
4	/								4 PM In L. Topgals
5	/							30.00	8 PM U. Topsails
6	/								9 PM Miz L. Top
7	/								11 PM Foresail.
8	/								Blowing hard
9	/							29.9	lumpy sea.
10	/		5.5						2 AM Sudden change
11	/								of wind to S. E.
12	/		6.5	E. S. E.	4 Pts.			29.80	4 AM Blowing strong
13	/			E. N. E.	S. E.				4 to 8 Moderating
14	/							29.90	8 to 12 Set Reefed U. Top
15	/								Foresail. Jit.
16	/		S. W.					30.00	Clear all well.
17	/		Now Ship.						Pump
18	/				2 Pts.			30.10	Light Lookout re sun to
19	/							30.20	Line Juice served.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				42.57	42.12	12.6			61.00 W.

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	/		S. S. W.	N. S. E.				30.20	Lat 12 day of Nov 1906
2	/								Overcast Sky
3	/								Mod breeze.
4	/			E. S. E.					30.30 1 to 8 Freshing
5	/								8 to 12 Cloudy black.
6	/			E					12 to 4
7	/			N. E.					4. 8 More Clear.
8	/								Wind going around.
9	/								8 to 12 Strong
10	/								U. Topsails in.
11	/								Clear all well.
12	/								Get sound 8 AM 40 fms
13	/								Black Land.
14	/								Pump Light re sun to
15	/							30.40	Line Juice served.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				43.53	43.11	11.6			61.57 W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	/		S. S. W.	N. W.	1 Pt.			30.40	Lat 13 day of Nov 1906
2	/							30.30	Wind freshening
3	/							30.20	hauling
4	/							30.10	4 PM Blowing hard
5	/		S. E. S. W.	S. W.	(Now				in Foresail.
6	/							29.90	6 PM Now Sp.
7	/							29.80	Terrible Squalls.
8	/							29.70	Fresh Miz L. Top. & the
9	/							29.65	weather clears of Fore
10	/								Main Topsail
11	/								Ship Lying To. Heavy
12	/							29.70	sea making up
13	/							29.80	8 to 12 Terrible Squalls.
14	/							29.90	4 to 8
15	/								Deck full of water.
16	/							30.00	8 to 12 Moderating some
17	/								between the Squalls.
18	/							30.10	Ship Lying pretty easy.
19	/								Clear all well. Pump
20	/								Light re carefully served.
21	/							30.20	Line Juice served.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				43.33	43.11	11.6			62.00 W.

Journal from Philadelphia towards San Francisco

	H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
							Air	Water		
										Wed 14 day of Nov 1906.
1	/	/	/	S. W.	S. E.	ALL			30.10	12 to 4 Heavy Squalls.
2	/	/	/							at times more mod
3	/	/	/	"	"	"				
4	/	/	/							4 to 8 more mod
5	/	/	/							Set 3 Whole L. Traps,
6	/	/	/							
7	/	/	/	S. W.	S. E.	"				8 to 12 Strong
8	/	/	/							Set 4 Traps
9	/	/	/							12 to 4
10	/	/	/						30.20	4 to 8 Clear fine
11	/	/	/	"	"	"				Wind going to the N.
12	2	2	2		E.					8 to 12 Breezing from
1	2	2	2		"	"				the N.
2	2	2	2		"	"				Sea from S. E. going down
3	2	2	2		"	"				some.
4	2	2	2		"	"				Quar all well.
5	2	2	2	S. W.	N. E.					Lumps Lights look out
6	2	2	2		"					properly seen to.
7	2	2	2		"					Lime Juice served.
8	2	2	2		"				30.20	
9	2	2	2		"					
10	2	2	2		"					
11	2	2	2		"					
12	2	2	2		"					

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					43° 29'	14°	14	s	62° 10' N.

	H	K	F	COURSES	WINDS	LEEWAY	Thermometer.		Barometer	REMARKS
							Air	Water		
1	2			SW. 1/2 N. 1 Pt.					30.20	Clear fine
2	2									Beginning on
3	2									Furled 1/2 Topsails
4	2									Forward.
5	2			"	"	"			30.10	8.14 Strong Clear.
6	2									12.4 Strong Cloudy.
7	2								30.00	4.8 " "
8	1			SE SW. 3 Pts					8.12	" "
9	1								29.90	Pumps Lights re
10	1			"	"	"			29.80	seen to.
11	1								29.70	Crew all
12	1			"	"	"			29.62	well.
13	1									Glass falling
14	1									all of 24 Nov.
15	1			S. W. 1/2 N. 2 Pts.					29.62	Lime juice served.

Course	Distance	Diff of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					44° 55' N.				63° 21'

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	6		S.	WSW.				29.62	Fri 16 day of Nov 1896.
2	6			W					Freshening from NW.
3	6		SxW.	NN.					4 PM. Strong Squalls
4	6			NN.				29.60	W.
5	6		NW.	NNW.	4 Pts.				6 PM. Furling 3 L. Tops
6	1		NW.					29.50	Wire Ship to the N.
7	1		To						Blowing hard Ship
8	1		N.						Lying to under Storm
9	1		NNW	SW.	6 Pts			29.48	Spunked rest of sail furling
10	1		To						12 PM. Terrific Squalls
11	1		NW.	"	"				from SW.
12	1							29.50	4 AM. No. but
1	1								more clear.
2	1								8 Set 3 Topsail. Grew rising
3	1			WSW.	4 Pts.			29.60	12 M. Ship making very
4	1		"						bad weather. Decks full
5	1		NNW.					29.70	of water. For raft.
6	1								Got sound 50 ftm.
7	1							29.80	Over all well.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					44° 54'	13° 6'			63° 39'

H	K	F	COURSES	WINDS	LEEWAY	Thermomete.		Barometer	REMARKS
						Air	Water		
1	/		NNN.	N S W.	4 Pbs			29.80	Sat 17 day of Nov 1906. Moderating Sit.
2	/								
3	/		N x N						
4	3		S x N	NNN.	"				3 Whole L. Topsails.
5	3								3 PM. Wave Ship.
6	3								Heavy sea from S.S.E.
7	3								Sit M. U. Top sail (Ref)
8	3		.	"					Top sail (Ref)
9	3								
10	3		S	N.W.					8 PM. Strong from the NW.
11	3								Blowing Hard.
12	3								29.9° 13". " "
1	3								4 AM. " "
2	3								8. " Moderating
3	3								Mod' Breeze.
4	3		.	"					Sea going down some.
5	3								
6	3								3000 Turnip Light Lookout
7	3								properly seen to.
8	3		"	"					Drew all well.
9	2								Drum Quin served.
10	2								
11	2								
12	2		"	"					

[illegible]

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer	Barometer	REMARKS
1	86		S. 1/2 W.	W.		Air	30.15	Sun 18 day of Nov 1906.
2						Water		Mod. breeze
3								Set Crossjack
4								4.8 20
5								8.12 Mod N W
6							30.20	12.4 " "
7				N. W.				4.8 " "
8								8.12 " "
9							30.25	Smooth sea.
10								Pumps Light. Lookout
11								sent to Crew all well.
12	100							Lime Juice served
1							30.20	50 Fms Water Mud bottom.
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	63							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					47.03	12 E			63.36 W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer	Barometer	REMARKS
1	63		S. 1/2 W.	N. W.		Air	30.20	Mon 19 day of Nov 1906.
2						Water		Mod Breeze.
3				W.				Fin clear.
4								4.8 20
5								8.12 Clear fine
6								12.4 Slightly more
7	94						30.00	Wind
8								4.8 Clear.
9								8.12 More. Mod
10	14		S.					Crew all well.
11								Killed
12								Pig this am. Weighed
1								150 lbs
2								Pumps Lights
3	31							Lookout properly sent to.
4								Lime Juice served.
5							29.98	
6								
7								
8								
9								
10								
11								
12	42							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					48.16	12			64.22 W.

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer	Barometer	REMARKS
1	44		S.	W.		Air	29.98	Tues 20 day of Nov 1906.
2						Water		Fin clear. Mod
3								4 PM. 20
4			S. E.	S. W.				8. Baffling
5								8. 8. 12
6			E.	S. E.				" Hauled
7			N. E.	E. S. E.				Yards number of time
8								12.4 Breeze. S. E.
9								Mon Sp at 4 AM
10	70		S. 1/2 W.	E.				" " 8. "
11								30.10
12								4.30 Stew t. W. going S.
1								Rainy & thick.
2								12 Clearing
3								Crew all well
4								Pumps
5								Light. Lookout sent to.
6								Lime Juice served.
7								
8								
9								
10								
11								
12	70							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					48.36	14 E			64.32 W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer	Barometer	REMARKS
1	70		E. 1/2 N.	S. E. W. 1 Pt.		Air	30.20	Tues 21 day of Nov 1906.
2						Water		Mod air
3								4 PM. 20.
4								8 PM. Air S. E.
5								12. " " Clear.
6								4. AM. " " " "
7								6. " " " "
8								8. " " " "
9								30.20
10								12. " " Mod breeze.
11								N. N. W.
12								Smooth sea.
1								Crew all well
2								Pumps
3								Light. Lookout sent to.
4								Lime Juice served as usual.
5								
6								
7								
8								
9								
10								
11								
12	83							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					48.46	14			64.40 W.

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	✓	✓	S.	NNW				30.20	Tues 22 day of Nov 1906.
2				N.					Mod Breeze
3				"					Hazy.
4				"					4 PM Freshening
5				"					In U Topsails.
6				"					5 to 12 Fresh breeze.
7				"					12 " " do.
8				"					4. 8 "Now Mod"
9				"					8. 12 "Clear. Mod"
10				"				29.90	Crew all well.
11				NNW					Lights Lookout pumps.
12				"					Temp 60°. Very Warm.
13				N.				29.80	Lime Juice served.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				50° 55'	17° 6'			64° 25' W.	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	✓	✓	S.	N.				29.50	Fri 23 day of Nov 1906.
2	3	3		"					Mod fine
3	3	3		"					4 PM do.
4	3	3		"					8. " Hazy.
5	3	3		"					12 " Nearly Calm.
6	3	3		"					2-30 "Wind Strong NE.
7	3	3		"				29.70	Rainy & Thick
8	3	3		"					4 to 8 " "
9	3	3		"					10 AM "Wind from S.
10	3	3		"				29.50	12. M. Clearing some.
11	3	3		"					Sun out.
12	3	3		"					Crew all well.
13	3	3		"					Pumps. Lights Lookout properly seen to.
14	3	3		"					Lime Juice served.
15	3	3		"				29.45	

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				52° 14' N.	17°			64° 25' W.	

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	✓	✓	E.	SE	4 Pt			29.45	Sat 24 day of Nov 1906.
2	✓	✓	SE	SE	"				Rainy & Thick.
3	✓	✓	SE	SE	"				2-30 "Wind SW.
4	✓	✓	SE	SE	"				29.50 PM Blowing Strong
5	✓	✓	SE	SE	"				12 " " " " " " "
6	✓	✓	SE	SE	"				4 AM Strong from
7	✓	✓	SE	SE	"				the W.
8	✓	✓	SE	SE	"				29.60 " " " " " " "
9	✓	✓	SE	SE	"				" " " " " " "
10	✓	✓	SE	SE	"				" " " " " " "
11	✓	✓	SE	SE	"				" " " " " " "
12	✓	✓	SE	SE	"				" " " " " " "
13	✓	✓	SE	SE	"				" " " " " " "
14	✓	✓	SE	SE	"				" " " " " " "
15	✓	✓	SE	SE	"				" " " " " " "
16	✓	✓	SE	SE	"				" " " " " " "
17	✓	✓	SE	SE	"				" " " " " " "
18	✓	✓	SE	SE	"				" " " " " " "
19	✓	✓	SE	SE	"				" " " " " " "
20	✓	✓	SE	SE	"				" " " " " " "
21	✓	✓	SE	SE	"				" " " " " " "
22	✓	✓	SE	SE	"				" " " " " " "
23	✓	✓	SE	SE	"				" " " " " " "
24	✓	✓	SE	SE	"				" " " " " " "
25	✓	✓	SE	SE	"				" " " " " " "
26	✓	✓	SE	SE	"				" " " " " " "
27	✓	✓	SE	SE	"				" " " " " " "
28	✓	✓	SE	SE	"				" " " " " " "
29	✓	✓	SE	SE	"				" " " " " " "
30	✓	✓	SE	SE	"				" " " " " " "
31	✓	✓	SE	SE	"				" " " " " " "
32	✓	✓	SE	SE	"				" " " " " " "
33	✓	✓	SE	SE	"				" " " " " " "
34	✓	✓	SE	SE	"				" " " " " " "
35	✓	✓	SE	SE	"				" " " " " " "
36	✓	✓	SE	SE	"				" " " " " " "
37	✓	✓	SE	SE	"				" " " " " " "
38	✓	✓	SE	SE	"				" " " " " " "
39	✓	✓	SE	SE	"				" " " " " " "
40	✓	✓	SE	SE	"				" " " " " " "
41	✓	✓	SE	SE	"				" " " " " " "
42	✓	✓	SE	SE	"				" " " " " " "
43	✓	✓	SE	SE	"				" " " " " " "
44	✓	✓	SE	SE	"				" " " " " " "
45	✓	✓	SE	SE	"				" " " " " " "
46	✓	✓	SE	SE	"				" " " " " " "
47	✓	✓	SE	SE	"				" " " " " " "
48	✓	✓	SE	SE	"				" " " " " " "
49	✓	✓	SE	SE	"				" " " " " " "
50	✓	✓	SE	SE	"				" " " " " " "
51	✓	✓	SE	SE	"				" " " " " " "
52	✓	✓	SE	SE	"				" " " " " " "
53	✓	✓	SE	SE	"				" " " " " " "
54	✓	✓	SE	SE	"				" " " " " " "
55	✓	✓	SE	SE	"				" " " " " " "
56	✓	✓	SE	SE	"				" " " " " " "
57	✓	✓	SE	SE	"				" " " " " " "
58	✓	✓	SE	SE	"				" " " " " " "
59	✓	✓	SE	SE	"				" " " " " " "
60	✓	✓	SE	SE	"				" " " " " " "
61	✓	✓	SE	SE	"				" " " " " " "
62	✓	✓	SE	SE	"				" " " " " " "
63	✓	✓	SE	SE	"				" " " " " " "
64	✓	✓	SE	SE	"				" " " " " " "
65	✓	✓	SE	SE	"				" " " " " " "
66	✓	✓	SE	SE	"				" " " " " " "
67	✓	✓	SE	SE	"				" " " " " " "
68	✓	✓	SE	SE	"				" " " " " " "
69	✓	✓	SE	SE	"				" " " " " " "
70	✓	✓	SE	SE	"				" " " " " " "
71	✓	✓	SE	SE	"				" " " " " " "
72	✓	✓	SE	SE	"				" " " " " " "
73	✓	✓	SE	SE	"				" " " " " " "
74	✓	✓	SE	SE	"				" " " " " " "
75	✓	✓	SE	SE	"				" " " " " " "
76	✓	✓	SE	SE	"				" " " " " " "
77	✓	✓	SE	SE	"				" " " " " " "
78	✓	✓	SE	SE	"				" " " " " " "
79	✓	✓	SE	SE	"				" " " " " " "
80	✓	✓	SE	SE	"				" " " " " " "
81	✓	✓	SE	SE	"				" " " " " " "
82	✓	✓	SE	SE	"				" " " " " " "
83	✓	✓	SE	SE	"				" " " " " " "
84	✓	✓	SE	SE	"				" " " " " " "
85	✓	✓	SE	SE	"				" " " " " " "
86	✓	✓	SE	SE	"				" " " " " " "
87	✓	✓	SE	SE	"				" " " " " " "
88	✓	✓	SE	SE	"				" " " " " " "
89	✓	✓	SE	SE	"				" " " " " " "
90	✓	✓	SE	SE	"				" " " " " " "
91	✓	✓	SE	SE	"				" " " " " " "
92	✓	✓	SE	SE	"				" " " " " " "
93	✓	✓	SE	SE	"				" " " " " " "
94	✓	✓	SE	SE	"				" " " " " " "
95	✓	✓	SE	SE	"				" " " " " " "
96	✓	✓	SE	SE	"				" " " " " " "
97	✓	✓	SE	SE	"				" " " " " " "
98	✓	✓	SE	SE	"				" " " " " " "
99	✓	✓	SE	SE	"				" " " " " " "
100	✓	✓	SE	SE	"				" " " " " " "

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				52° 15' N.	17°			63° 54' W.	

H	K	F	COURSES	WINDS	LEEWAY	Thermomete.		Barometer	REMARKS
						Air	Water		
1	✓		N x N	S. S. W.				29.70	Sun 25 day of Nov 1906.
2	✓								Wind going down.
3	✓								4 PM. "Mod"
4	✓								
5	✓		N N W.	S. W.					8. " "Mod" Breeze.
6	✓		S E x S		Ward Ship.				Let U Topsails
7	✓		S. S. E.						12 to 4 "Mod breeze.
8	✓								Hazy.
9	✓								29.70 4.8 Clear fine
10	✓								8. 12 "

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	56		S x E.	N. N. W.			29.90	Begin fine clear. 4 PM Freshening Hazy.
2								8 to 12 Steady at times Overcast sky.
3	76			N. N. W.				12 to 4 Thick Rainy 4 to 8 Made Staten Is. bearing about W. S. W. Dist 25. Crowing to it.
4								29.70
5								29.50
6								being thick during latter part strong off shore.
7	98		S 1/2 E.	N. N. W.				12 M Wind from the S. W. Clearing Island.
8								29.30
9								here W x S. 25. 7
10								Windy in the S. W. Sp. under L. T. sails
11	19							29.20
12								Crew all well. Pump lights. Look out re. S. W. Is.
13								29.30
1								Not much snow on S. Island.
2	39		S.	N.				
3								
4								
5								
6								
7	57		S x W	N.				
8								
9								
10								
11								
12								
13	67		S. S. E.	S. W.				

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					54° 48'	17°			63.50

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	1		S. S. E.	S. W.	4 Pt.		29.30	Thick at 1-30 PM.
2	1							Port sight of S. Is. at 2 PM. Bearing N. 27.
3	1							Strong breeze & heavy sea. 8 to 12
4	1							1-30 AM Wind from the N. N. W.
5	1							29.30
6	1							Set Reefed Foresail & Reefed A. M. T. sail.
7	1							4 to 8
8	1							8 to 12 Good breeze. Squally at 12 M.
9	1							Crew all well.
10	1							Pumps lights. Look out re. S. W. Is.
11	1							Line J. J. secured.
12	2		S. S. E.	N. N. W.				
13	2							
1	3							
2	3							
3	3							
4	3							
5	3							
6	3							
7	3							
8	3							
9	3							
10	3							
11	3							
12	3							
13	3							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					55.04				63.30

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	4		S. W.	N. N. W.			29.40	Fresh breeze.
2	4							4 PM Heavy Squall from S. W.
3	4							6 PM Mod
4	4		S. S. E.	S. W.				8 to 12 Raining Mod
5	1							
6	1							
7	1							
8	1							
9	2		S.	N.				
10	2		S. W.	N. N. W.			29.50	12. 4
11	3							
12	3							
1	3							
2	3							
3	3							
4	3							
5	3							
6	3							
7	3							
8	3							
9	3							
10	3							
11	3							
12	3							
13	3							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					55.11	17.6			62.15

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	3		S. W. x W.	N. N. W.			29.50	Modulating Clear
2	3							Set U. T. sails.
3	2							8 PM Blowing strong
4	2							In U. T. sails & Reefed Fore
5	2							11 PM Terrible Squalls from the S. W. W. lying out after ship rolling heavily at 12 PM.
6	2							12 to 4 Breeze. S. W.
7	2							4 to 8 " "
8	2							8 to 12 " " W. S. W.
9	2		S. S. E.	S. W.				Heavy sea from S. W. Ship rolling heavily.
10	2		S.	N. S. W.				Crew all well. Laid up deck (Phillips)
11	2							lights re. S. W. Is.
12	2							
13	2							
1	1							
2	1							
3	1							
4	1							
5	1							
6	1							
7	1							
8	1							
9	1							
10	1							
11	1							
12	1							
13	1							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					56.08	17.6			62.45

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	/	/	S.	W.	2 Pts.			29.40	Fri 30 day of Nov 1906.
2	/	/							Very mod & Hazy.
3	/	/							4 PM No.
4	/	/							8. Freshening
5	/	/							10 PM Furling T. Top
6	/	/							11 PM Furling T. Top
7	/	/	S.W.		3 Pts.			29.30	12 Blowing Strong
8	/	/							12.4 Heavy Squalls
9	/	/	S.	W.				29.20	from S.W.
10	/	/							4.8 Terrible Squall.
11	/	/							Plenty of Snow
12	/	/							Furling T. Top. Grow-
13	/	/							29.20 winged T. Top. Grow-
1	/	/							8.30 Heavy Squalls.
2	/	/							Heavy Sea from S.W.
3	/	/							Deck full of water.
4	/	/	N.W.	S.W.	4 Pts.				8 to 12 Heavy Squalls.
5	/	/							Snow & Wind Ship
6	/	/							lying too very well
7	/	/							Pumps Lights on
8	/	/							29.10 Snow to Sea
9	/	/							Line Juice served.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				56.29 N.	17.8			62.22 W.	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	/	/	N.W.	S.W.	6 Pts.			29.10	Sat 1 st day of Dec 1906.
2	/	/							Ship Lying Too
3	/	/							Heavy Snow Squalls.
4	/	/							6 PM. More mod.
5	/	/							Set Whole L. Top.
6	/	/							29.15 8 to 12. Wind light
7	/	/	N.W.	W.					Ship rolling heavily at
8	/	/							times. Sea. Vicious, mod.
9	/	/							By Obs. Not as
10	/	/							much current to
11	/	/							the N.E. as the
12	/	/							last. Fronty. Four wing
13	/	/							Set T. Top. (Ref)
1	/	/							Home. In fact, 1 M. 4. T. Top. (Reefed)
2	/	/							29.15 perceptible
3	/	/	N.W.	S.W.					4 to 12. Occasional Snow
4	/	/							Flurries. Sea from S.W.
5	/	/							still as large as before.
6	/	/							Deck full of water.
7	/	/							at times
8	/	/							Crew all well.
9	/	/							Pumps & Lights
10	/	/							lookout properly seen to.
11	/	/							Line Juice served.
12	/	/							29.15 Pump & Lights

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				56.22 N.	17.8			62.28 W.	

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	/	/	N.W.	S.W.				29.15	Sun 2 day of Dec 1906
2	/	/							Wing Breezing
3	/	/							4 PM. Heavy Snow Squalls.
4	/	/							BK going N.E.
5	/	/							8. " Clearing some.
6	/	/	N.W.	W.					12 AM Snow Squalls.
7	/	/							BK going to S.E. on the
8	/	/							other tack.
9	/	/	N.W.	S.W.				29.20	8 to 12 M. Thick Snow.
10	/	/							but not as much wind.
11	/	/							No allowance for current.
12	/	/							as per yesterday. Look like a change.
1	/	/	N.W.	"					Heavy sea from S.W.
2	/	/							Ship rolling heavily at
3	/	/							times & Deck full water.
4	/	/							Crew all well. Pumps
5	/	/							lights look out seen to.
6	/	/							29.30 Temp 38. Snow Line Juice.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
N.W.	30.	18.2	82	55.54 N.	17.8			62.40 W.	Now

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	/	/							Mon 3 day of Dec 1906.
2	/	/							Baffling.
3	/	/	N.W.	S.E.				29.30	Thick Snow. all around.
4	/	/							2 PM. Air S.E.
5	/	/							4 PM. Clearing.
6	/	/							8. " Snow Squall.
7	/	/							12. " Clear.
8	/	/							4 PM. " "
9	/	/							29.50 8. Mainail. Crossjack.
10	/	/							3 T. Topails.
11	/	/							12. Clear but less wind
12	/	/							Sea from S.W. gone
13	/	/							down some.
1	/	/							29.70 Crew all
2	/	/							well. Pumps Lights
3	/	/							lookout properly seen to.
4	/	/							Line Juice served.
5	/	/							29.80

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				56.19 N.	17.8			64.03 W.	

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	✓	✓	S.W. x W.	S.				29.70	Mod. fine
2	✓	✓	"	"					3 PM. Signallized Fr
3	✓	✓	"	"					Dr. going N.E.
4	✓	✓	"	"					8 to 12. Mod Clear.
5	✓	✓	W.	S.W.					12. " Cloudy. Mod
6	✓	✓	S. x E.	W. S. W.				29.70	" 8 PM "No Ship"
7	✓	✓	"	"					" 12 Overcast Sky.
8	✓	✓	"	"					Very moderate.
9	✓	✓	S. x W.	W.				29.60	Pow all well Pump
10	✓	✓	S. W. x W.	W.					Lights Lookout sent to
11	✓	✓	"	"					29.50 Sea quite smooth.
12	✓	✓	"	"					Small from S.W.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					56.33	17.8			64.45

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	✓	✓	S. W. x W.	W.				29.45	Thick & Snow Squalls.
2	✓	✓	"	W. W.					In V. Topsails.
3	✓	✓	"	W. W.					Blowing strong 8 PM.
4	✓	✓	S. S. W.	W.					29.40 12 Thick Rainy.
5	✓	✓	S. S. E.	S. W.					Wind hauling all of
6	✓	✓	"	"					the time to the S.
7	✓	✓	"	"					4 AM. Blowing fresh.
8	✓	✓	"	"					Foggy wings of Top & Miz
9	✓	✓	"	"					L. Topsails.
10	✓	✓	S. E.	"					8 to 12 Thick Heavy
11	✓	✓	"	"				29.30	sea making up from S.
12	✓	✓	"	"					Pow all well. Pump

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					56.40	10			64.00

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	✓	✓	S. S. E.	S. W.	6 Pts			29.30	Blowing strong
2	✓	✓	"	"					Ship lying too.
3	✓	✓	"	"					Sea. Decks full water
4	✓	✓	S.	W. S. W.					Ship Aryan on other
5	✓	✓	"	"					tack. in Company.
6	✓	✓	"	"					Wind hauling at 4 PM.
7	✓	✓	S. S. W.	W.	4 Pts				29.20 8 to 12 Strong breeze.
8	✓	✓	"	"					Snow squalls.
9	✓	✓	"	"					12 to 4 " "
10	✓	✓	"	"					8 AM. Ship Aryan ahead
11	✓	✓	"	"					to the S.W. about 8.
12	✓	✓	"	"					8 to 12. Clear part of

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					57.00	19.8			64.88

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	✓	✓	S. S. W.	W.	4 Pts			29.10	Cloudy & Strong
2	✓	✓	S. W.	W. N. W.					4 PM. Rain & Snow
3	✓	✓	S. W. x W.	W. W.	"				Squalls.
4	✓	✓	"	"					8 to 12 " "
5	✓	✓	"	"					Heavy sea from
6	✓	✓	"	"					S.W.
7	✓	✓	"	"					3 AM. Heavy Squalls
8	✓	✓	"	"				29.00	from S.W. clearing
9	✓	✓	"	"					4 to 8 Clear but strong
10	✓	✓	"	"					8. 12 Wind hauling
11	✓	✓	S. S. E.	S. W.	"				back to W. Clear.
12	✓	✓	"	"					Sea from S.W. grow down

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					57.11	19.8			64.10

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	2		S.W.	N.	4 Pts.		29.00	Strong Gale
2	2							Heavy Squall.
3	2							
4	2							
5	2		S.W.	N.N.W.	"			8 to 12 Terrific Squalls.
6	2							Tremendous sea.
7	2							Sea from the S.W. N.
8	2							N.W.
9	2							No regularity
10	2		N.S.W.	N.			29.90	12th Heavy Squalls.
11	2		"	"	"			4 to 8
12	2		"	"	"			"Snow & Rain.
1	2							8 to 12 Terrific Squalls.
2	2							Decks full of water
3	2							at times ship rolling
4	2							heavily. One seaman
5	2							laid up. Pumps re run
6	2		S.W.	N.N.W.				to. Lime juice served.
7	2							
8	2							
9	2							
10	2							
11	2							
12	2							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
						57.43 N. 20.6			64.20 W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	2		S.W.	N.N.W.	4 Pts.		29.90	Tremendous Squalls
2	2							Snow & Rain.
3	2							4 PM. Filled Miz L Top
4	2							Strong
5	2							7. " Heavy Squall casting
6	1							up in S. Wood ship to
7	1		N.	"	"			be on right tack. Ship
8	1							rolling very heavy & large
9	1							quantities of water on deck
10	1							12th Terrific Squalls
11	1							29.30 Wind & Rain
12	1							4 AM. Wood ship to steady
1	1							Ship from rolling. 5 AM.
2	1							29.10 Wind came out of S. Wood
3	1							back again.
4	1		S.W.	N.S.W.	"			8 to 12 Ship heading sea,
5	1							more easily. Not as much
6	1							29.00 water on deck. Although
7	1							Big sea from W.
8	1							28.90
9	1							Crew all well again.
10	1							28.80 Pumps lights re run to.
11	1		N.W. x W.	"	"			Lime juice served.
12	1							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
						57.46 N. 20.6			63.10 W.

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	1		N.W. x W.	S.W.	6 Pts.		28.80	Blowing strong but
2	1							now clear
3	1							4 to 8
4	1							Set Miz L Top
5	1							Reefed Fore sail.
6	1							28.90 12 Cloudy. Strong
7	1							
8	1							12th 4 Snow Squalls
9	1							5 AM. Wood ship
10	1		N.W.	N.S.W.	4		29.00	Wind from the N.W.
11	2							8 " " Snow Squalls.
12	2							Set M. U. Top
1	2							Reefed Mails. &
2	2		N x W.	N.N.W.	2.		29.10	Crossjack
3	2		S.W.	"				12 M. Cloudy. Good breeze.
4	2							Crew all well. Pump
5	2		S.W. x W.	N.W.	1			Lights Lookout run to.
6	2							Heavy swell from S.W.
7	2							Weather unsettled.
8	2							29-15 Lime juice served.
9	3							
10	3							
11	4							
12	4							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
						57.28 N. 20.6			64.08 W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	4		N. x S. x S.	N.			29.15	Begins clear.
2	4							4 PM. Cloudy
3	4							Fresh.
4	4							In Crossjack Mainsail
5	3							4 Top sails.
6	3							
7	3			N.N.E.				8 PM. Freshening. Thick.
8	3							8 to 12 Occasional Rain.
9	3							Heavy sea from W.
10	3							
11	3							29.10 12th 4
12	3							Moderating
1	3							4, 8
2	3							Thick.
3	3							29.00 8-30
4	3							Calm. Ship
5	2							rolling rails under
6	2							28.90
7	2							28.80 9-30
8	2							Breeze from S.
9	2							Increasing to 12 O'clock. M.
10	2							Look windy.
11	2							28.90
12	2							Crew all well. Pump
1	2							Lights Lookout re run to.
2	2							Lime juice served.
3	2							
4	2							
5	2							
6	2							
7	2							
8	2							
9	2							
10	2							
11	2							
12	2							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
						57.44 N. 20.6			65.21 W.

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	2		W.	S.				29.00	Wing freshening all of the time.
2	2								
3	2								
4	2							29.10	4 PM. Strong Gale
5	2		W. S. W.	S. S. W.					hauling some to the W.
6	2								In Miz L. Topsail
7	1								1 fousail
8	1								8 PM. Blowing strong
9	1		W.					29.30	heavy beam sea.
10	1								
11	1								12 PM Wind more steady
12	2		W. N. W.	S. W.					4 P.M. Moderating.
1	2								8 Let. Fousail Miz L.
2	2							29.40	Top. Main & Fousail set.
3	2								8 to 12 Sun Squalls
4	2								Clear at intervals.
5	2		W. N. W.	W.				29.50	Heavy swell from S. W.
6	2								
7	2							29.60	Crew all well. Pumps.
8	2								Light. Lookout re sun to.
9	3								
10	3								
11	3							29.70	Lime Juice served.
12	3								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					56.48	S. 20. E.			66. N. W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		W. N. W.	W.	1 Pt			29.70	Passing Squalls
2	3								Sun & Rain
3	3		N. N. W.						
4	3								4 PM. W.
5	2		S.						W. ship.
6	2								Four wasted (Full Rig) Sp
7	2		S. x W.						in Po to the S.
8	2								8 to 12 Stronger breeze.
9	2		S. S. W.	W. N. W.				29.80	12. 4. Fine Topg set.
10	2								
11	2								4. 8 Cloudy. Modg.
12	2		W. S. W.	W.				8. 12	Clear at times.
1	2								Sea smooth.
2	2								
3	2								
4	2								
5	2								
6	2								
7	2								
8	2								
9	84								Crew all well. Pumps.
10									Light. Lookout re sun to.
11									
12	95							29.90	Lime Juice served.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					56.24	S. 20. E.			66. 21. W.

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1			W. S. W.	W.				29.90	Cloudy.
2									
3									
4	5								4 PM. Clearing.
5									4-30 " " made Cape
6									How Island bearing
7									4 W. about 30.
8									8 PM. Born N. W. x N.
9									Thick & Rainy at times
10									
11									12 Thick.
12	45							29.80	12 to 4
1	3								4. 8 Clearing & Modg.
2	3								11 AM. Breeze from N. E.
3	3								Two Sp. going W.
4	3								One BK. " E.
5	2								
6	2							29.70	Smooth sea. Crew all
7	2								well Pump. Lights Lkt
8	2								29.60 Properly seen to.
9	2								
10	2		W. x S.	N. E.					
11	2								
12	4							29.60	Lime Juice served.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					56.53	S. 20. E.			67.35 W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	4		W. x S.	N. E.				29.60	Good breeze. Cloudy.
2	4								Sp. in Po.
3	5								
4	6								8 to 12 Wind quiet steady.
5	5								4 AM. Wind from N.
6	5								8 " Blowing strong
7	5								29.50 hauling to the W.
8	5			N. E.	1 Pt				In 4. Topsails Crossed
9	4		W	To					12 mg Blowing hard
10	4								Squalls. Big sea.
11	4		To						making from the W.
12	3		S.					29.40	Two Sp. in sight to
1	3			W.					the W. going same way.
2	3								English smarted Sp. lig
3	3		W. x S.	W.	2 Pt.			29.30	us but could not make
4	3								out his signals
5	3								Weather looks bad. Big
6	3								sea running from W.
7	3								Crew all well. Pump.
8	3		W. S. W.	N. W.					Light. re sun to.
9	3								
10	3								
11	3								
12	3							29.20	Lime Juice served.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					57.10	S. 21. E.			69.40 W.

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	3		W. S. W.	N. W.			29.20	Sun 16 day of Dec 1906
2	3							Blowing strong
3	2		S. S. W.	W. N. W.	6 Pts			1 PM. Terrible squalls.
4	2		N. W.	N. S. W.	"			from the S. W.
5	1							3 PM. More ship N. wind
6	1							blowing heavy & squalls.
7	1							Very strong.
8	1		"	"	"			4 to 8 ship laboring
9	1		"	"	"			heavily deck full of
10	1		"	"	"			29.20 water. fore & aft.
11	1		"	"	"			8 to 12 " "
12	1		"	"	"			12. " More mod" but
1	1		"	"	"			terrible sea & winds
2	1		"	"	"			flooded. Using plenty
3	1		"	"	"			of oil.
4	1		"	"	"			6-30 More ship to the
5	1		S. W. x W.	N. W.	"			N. W. Squig easier continues
6	1		"	"	"			squally until 12 M.
7	1		"	"	"			sea from S. W. & cross sea
8	1		"	"	"			from N. W. Crew all well.
9	1		"	"	"			Lying under fore & main tops
10	1		"	"	"			29.30 Pumps & saw to.
11	1		"	"	"			
12	1		"	"	"			

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				57° 17' N	57° 17' N	21° E		68° 30' W	68° 30' W

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	1		S. W. x W.	N. W.	4 Pts		29.30	Mon 17 day of Dec 1906
2	1							Heavy squalls.
3	1		"	"	"			4 PM. The same.
4	1		"	"	"			8. " Squally.
5	1		"	"	"			12. " Not as much.
6	1		"	"	"			wind between squalls.
7	1		S. W.	"	"			12 to 4 Squally.
8	1		"	"	"			4 " 8 Clearing
9	1		"	"	"			8 " 12 Partly clear.
10	1		S. W. x S.	"	"		29.30	Set. Foresail (graped) Miz
11	1		"	"	"			Topsail. Cap pt.
12	1		"	"	"			Weather looks stormy
1	1		"	"	"			sea grow down soon.
2	1		"	"	"			Crew all well. Pumps
3	1		"	"	"			Lights Lookout seen to.
4	1		"	"	"			Lime juice served.
5	2		"	"	"			
6	2		"	"	"			
7	2		"	"	"			
8	2		"	"	"			
9	2		"	"	"			
10	2		"	"	"			
11	2		S. W. x W.	N. N. W.	"		29.30	
12	2		"	"	"			

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				57° 35' N	57° 35' N	21° E		68° 17' W	68° 17' W

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	2		S. W. x W.	N. N. W.			29.30	Tues 18 day of Dec 1906
2	2							Overcast
3	2		"	"				2 PM. Rainy.
4	2		"	"				4. " In Miz Tops
5	4		"	"				6. " Foresail
6	4		"	"				9.30 Terrible squalls.
7	4		S. S. W.	"				from Miz & Miz Tops.
8	4		"	"				12. " Heavy squalls
9	4		"	"				Set 3. 4. Topsails.
10	4		"	"				More mod.
11	4		"	"				8 Clearing.
12	4		"	"			29.10 11-3	Change of wind.
1	4		"	"				Hauled. Sp. around Set
2	4		"	"				Foresail. Burst same at 11.50.
3	3		"	"				Heavy sea from N. N. W.
4	3		"	"				Deck full of water at
5	3		"	"			29.00	times Sp. rolling heavily
6	3		"	"				But #2 Foresail.
7	3		"	"	6 Pts			Our Seaman laid up.
8	3		"	"				With Chills.
9	3		"	"				Repairing #1 Foresail.
10	3		"	"				Pumps. Lights Lookout
11	3		"	"				seen to. Lime juice served.
12	3		"	"			29.01	

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				58° 30' N	58° 30' N	20° E		68° 40' W	68° 40' W

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	3		N. W.	S. W.	6 Pts		29.01	Wed 19 day of Dec 1906
2	3		"	"	"			Blowing hard
3	2		"	"	"			Squalls
4	2		"	"	"			Clear part of time
5	2		"	"	"			8 to 12 Set & Rain
6	2		"	"	"		29.40	Squalls.
7	1		"	"	"			12. " Wind going to
8	1		"	"	"			the N. W.
9	1		"	"	"		29.30	Squally. Rain
10	1		"	"	"			4. " 8 Blowing hard
11	1		"	"	"			5 big sea from ahead.
12	1		N. N. W.	N. N. W.	"			Deck full of water Sp.
1	1		"	"	"			laboring. Heavily most of
2	1		"	"	"			the time. This is one of
3	1		"	"	"			the hardest changes to get to
4	1		"	"	"			the N. around Cape Horn
5	1		"	"	"			I ever saw.
6	1		"	"	"			Our Seaman laid up.
7	1		"	"	"		29.25	Pumps & saw to. Lime juice served.
8	1		"	"	"			
9	1		"	"	"			
10	1		"	"	"			
11	1		"	"	"			
12	1		"	"	"			

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				58° 10' N	58° 10' N	20° E		67° 30' W	67° 30' W

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	/	/	N. to NNE	NW	6 Pts		29.25	Thurs 20 day of Dec 1906.
2	/	/						Blowing Strong Gale
3	/	/						from NW
4	/	/						Terrific Squalls.
5	/	/						Tremendous sea from W
6	/	/						8 to 12. Blowing with
7	/	/						Hurricane force at times
8	/	/						12 to 4
9	/	/						Decks full of
10	/	/						water. Lying too bad.
11	/	/						1 to 8 Steady Rain
12	/	/						Slut during 4 hours.
1	/	/						Tremendous Squalls.
2	/	/						8 to 12. The same.
3	/	/						N. clear up at all.
4	/	/						Using quantities of Oil.
5	/	/						Boys & Pipes.
6	/	/						One Seaman laid up.
7	/	/						Pump re. seen to.
8	/	/						29.10 Lime Juice served.
9	/	/						
10	/	/						
11	/	/						
12	/	/						

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
E 1/2 E Drift 48.				58.20	Now.				66.17

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	/	/	N x W	W N W	6 Pts.		29.10	Fri 21 day of Dec 1906.
2	/	/						Blowing Strong Gale.
3	/	/						Ship Lying too.
4	/	/						Tremendous sea W.
5	/	/						Using plenty Oil.
6	/	/						4 PM. Clearing some.
7	/	/						8 to 12 Sea going down
8	/	/						some Also less wind.
9	/	/						12 to 4 Strong Rainy
10	/	/						Now sp. to the
11	/	/						W.
12	/	/						4 to 8 Strong from N W.
1	/	/						11-30 Wind hauling to.
2	/	/						W N W. Now back to N.
3	/	/						Very unsettled weather.
4	/	/						Heavy swell still
5	/	/						29.30 from the W.
6	/	/						Seamen all well Pump
7	/	/						Lights Lookout seen to.
8	/	/						
9	/	/						
10	/	/						
11	/	/						
12	/	/						

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
E 1/2 S. Drift 51.				58.29	21:6				65-10

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	/	/	N x W	W N W	6 Pts		29.35	Sat 22 day of Dec 1906.
2	/	/						Strong Gale.
3	/	/						Cloudy. But clear at
4	/	/						times
5	/	/						8 to 12 More Mod.
6	/	/						Heavy beam sea.
7	/	/						Ship rolling heavily at
8	/	/						times.
9	/	/						12 to 4 Squally.
10	/	/						4 to 8 Clearing
11	/	/						8 to 12 Clear Strong
12	/	/						Passing Hail Squalls.
1	/	/						Looks like better weather.
2	/	/						Clear all well.
3	/	/						Pump. Lights Lookout
4	/	/						seen to.
5	/	/						Lime Juice served.
6	/	/						
7	/	/						
8	/	/						
9	/	/						
10	/	/						
11	/	/						
12	/	/						

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
E x N. Drift.				58.12	20:6				63.48 W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	/	/	N N W	W.	2 Pts		29.50	Sun 23 day of Dec 1906.
2	/	/						Moderating. Still the
3	/	/						sea has not gone
4	/	/						down any.
5	/	/						Set U.S. spails. Jib
6	/	/						4 PM. Clear
7	/	/						8 to 12. Clear at times
8	/	/						Passing Slut
9	/	/						Squalls.
10	/	/						12 to 4
11	/	/						Now Moderate.
12	/	/						4 to 8 Fine Clear.
1	/	/						Heavy swell. W.
2	/	/						8 to 12. Wind. Fast steady
3	/	/						U.S. spails set.
4	/	/						Clear all well. Pump
5	/	/						Lights Lookout re. seen to.
6	/	/						
7	/	/						
8	/	/						
9	/	/						
10	/	/						
11	/	/						
12	/	/						

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
N N E. Drift. about.				57.24	20:6				63.36 W.

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	2		N.N.W.	W.	4 Pts		29.60	Monday 24 day of Dec 1906.
2	2							Modulating 4 PM Wood.
3	2							Ship to the N.W.
4	2		S.W.	N.W.			29.50	4 to 8 Squally.
5	2							8 to 12 " Topsails.
6	2							Main sail.
7	2							Christmas P.O.B. Begins.
8	2							Squally. Rain & sleet.
9	2		N.W.	N.N.W.			29.40	4 to 8 A.M. Strong.
10	2							Nasty sea from W.
11	2							8 to 12 Rainy at times.
12	2							Overcast sky. Not a
1	2							very pleasant Christmas.
2	2						29.30	No work done this day.
3	2							Sailors give a good dinner
4	2							if possible could get.
5	2							Crew all well.
6	2		S.S.W.	N.N.W.	2 Pts		29.30	Pumps & run to.
7	2							
8	2							
9	2							
10	2							
11	2							
12	2							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					57° 27' S.	21° E.			64° 25' W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	2		S.W.	W.	2 Pts		29.30	Tues 25 day of Dec. 1906.
2	2							Christmas P.M. 1906.
3	2							Rainy Squally.
4	2							very dirty weather.
5	2		N.W.	N.W.				6 PM. Wood Slip.
6	2							BK in Co. going S.E.
7	2							10 PM. Another BK
8	2							going S.E.
9	2				4 Pts		29.30	12 to 4 Squally.
10	2							4 " 8 " "
11	2							8 " 12 " "
12	2							12 M. Rainy. Sea
1	2							roughly from the W.
2	2							4 Topsails set.
3	2							Crew all well. Pumps
4	2							lights & run to.
5	2						29.30	Lime juice served.
6	2							
7	2							
8	2							
9	2							
10	2							
11	2							
12	2							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					57° 12' S.	21° E.			64° 40' W.

Journal from Philadelphia towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	2		N.W.	N.W.	4 Pts		29.30	Tues 26 day of Dec 1906.
2	2							Rainy & Squally.
3	2							8 to 12 " "
4	2							12 " 4 " More Mod"
5	2							4 " 8 " Hauling NW.
6	2							7 " 12 " Sp.
7	2							8 to 12 Partially clear.
8	2						29.30	Heavy swell from W.
9	2							Boatswain Hughes
10	2							laid up. this Am.
11	2							says he is sick. Dr.
12	2							(Hughes) refuses to take
1	2							any medicine. Capt. gave
2	2							him. He has not suf-
3	2							ficient clothes for the
4	2							weather here but refuses
5	2							to buy any from Shop. Chest.
6	2							
7	2							
8	2							
9	2							
10	2							
11	2							
12	2							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					57° 09' S.	20° E.			65° 00' W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	2		S.W.	N.N.W.	4 Pts		29.30	Tues 27 day of Dec 1906.
2	2							Modulating & Clearing
3	2							4 to 8 " "
4	2							Set Musl. & Crossjack
5	2							12 to 4 " "
6	2							Very nearly Calm.
7	2							4 " "
8	2							Wood Slip to
9	2							the N.W.
10	2							
11	2							
12	2							
1	2						29.40	8 to 12 Breezing from
2	2							S.S.W.
3	2							Heavy swell from
4	2							the W.
5	2							Boatswain Hughes still
6	2							laid up. Refuses to take
7	2							medicine. Don't think
8	2						29.50	he is sick. But sham-
9	2							ming. Gray attention
10	2							shown him. Pumps
11	2							
12	2							

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
					57° 15' S.	21° E.			65° 19' W.

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		N.W.	N.W.	2 Pts			29.60	Clear.
2	3								2 P.M. Rain Clouds.
3	3								4 " " Cloudy Freshening
4	3		N.W. x W.	"	"				8 " " " " "
5	3								12 " " Moderate
6	3								12 to 4 " " " " "
7	3								4 A.M. Wind from N.
8	3								29.608 " " Strong Thick
9	3								8 to 12 " " Rainy
10	3								12 " " " " "
11	3								8 to 12 " " " " "
12	3								12 " " " " "
13	3								12 " " " " "
1	3								8 to 12 " " " " "
2	3								12 " " " " "
3	3								12 " " " " "
4	3								12 " " " " "
5	3								12 " " " " "
6	3								12 " " " " "
7	3								12 " " " " "
8	3								12 " " " " "
9	3								12 " " " " "
10	3								12 " " " " "
11	3								12 " " " " "
12	3								12 " " " " "
13	3								12 " " " " "

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				56° 53' N. Now		21° E		66° 34' W. Now	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		N.W.	N.W.	3 Pts			29.45	Rainy Thick Squally.
2	3								4 P.M. Blowing strong
3	3								8 " " " " "
4	3								12 " " " " "
5	3								12 " " " " "
6	3								12 " " " " "
7	3								12 " " " " "
8	3								12 " " " " "
9	3								12 " " " " "
10	3								12 " " " " "
11	3								12 " " " " "
12	3								12 " " " " "
13	3								12 " " " " "
1	3								12 " " " " "
2	3								12 " " " " "
3	3								12 " " " " "
4	3								12 " " " " "
5	3								12 " " " " "
6	3								12 " " " " "
7	3								12 " " " " "
8	3								12 " " " " "
9	3								12 " " " " "
10	3								12 " " " " "
11	3								12 " " " " "
12	3								12 " " " " "
13	3								12 " " " " "

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				57° 22' N. Now		21° E		66° 48' W. Now	

Journal from Philadelphia towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		N.W.	N.W.	2 Pts			29.40	Clear.
2	3								Passing Squalls
3	3								2 P.M. 1 Mast Sp. going
4	3								the same way.
5	3								8 to 12 " " " " "
6	3								12 " " " " "
7	3								12 " " " " "
8	3								12 " " " " "
9	3								12 " " " " "
10	3								12 " " " " "
11	3								12 " " " " "
12	3								12 " " " " "
13	3								12 " " " " "
1	3								12 " " " " "
2	3								12 " " " " "
3	3								12 " " " " "
4	3								12 " " " " "
5	3								12 " " " " "
6	3								12 " " " " "
7	3								12 " " " " "
8	3								12 " " " " "
9	3								12 " " " " "
10	3								12 " " " " "
11	3								12 " " " " "
12	3								12 " " " " "
13	3								12 " " " " "

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				58° 02' N. Now		21° E		67° 20' W. Now	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	3		N.W.	N.W.	2 Pts			29.40	Clear.
2	3								Passing Squalls
3	3								2 P.M. 1 Mast Sp. going
4	3								the same way.
5	3								8 to 12 " " " " "
6	3								12 " " " " "
7	3								12 " " " " "
8	3								12 " " " " "
9	3								12 " " " " "
10	3								12 " " " " "
11	3								12 " " " " "
12	3								12 " " " " "
13	3								12 " " " " "
1	3								12 " " " " "
2	3								12 " " " " "
3	3								12 " " " " "
4	3								12 " " " " "
5	3								12 " " " " "
6	3								12 " " " " "
7	3								12 " " " " "
8	3								12 " " " " "
9	3								12 " " " " "
10	3								12 " " " " "
11	3								12 " " " " "
12	3								12 " " " " "
13	3								12 " " " " "

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
				58° 19' N. Now		21° E		67° 00' W. Now	

Journal from _____ towards: _____

G91.111

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS	day of	1
						Air	Water				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
--------	----------	---------------	-----------	---------------	-------------	-----------	---------------	---------	-------------

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS	day of	1
						Air	Water				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in	Lon. by Ob.
--------	----------	---------------	-----------	---------------	-------------	-----------	---------------	---------	-------------

